acccatacgt gactggatcc tctgtagtcg ctatcaaata caaagatggg attctaatgg   120

ccgctgacat gggaggttcg tatggatcta ccctgcggta caagagtgtt gagcgtatca   180

agcctattgg aaagcattct cttcttggtg ctagcgggga gataagt   227

<210>   40243
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<223>   Clone ID: 700941581H1

<400>   40243

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accgccttgg ggaagcgagt cgccaaccag atctggactt ccaacccccc ctcagctcct   120

ctcacttcca ggaggggagc aatagcagct gcatacagta gcagcggcgg gtcagtgtat   180

gacaagaacc ctgatgatca gatccactct ggggcggtcc cagacgatgt gatcca   236

<210>   40244
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941584H1

<400>   40244

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gcaatcatta aacttatttc aaaagctctt gagatcaaca ctaatgaatt gctagagtta   120

tttgaagatt taagtcagtc aatgaggaag aattgctacc ctccatgtcc ccaaccagaa   180

catgtcattg gccttaatcc tcattctgat gctggtgctc tcaccatcc   229

<210>   40245
<211>   228
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941587H1

<400>   40245

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ctcgctggta aacttagtac tgaacttggg gtgaaagcat ccgctaccaa atggttcaac   120

ctcttaacca cgcaacttca gcattttcag aacctttgtg aaagagtgca tgaaaccaag   180

ctgcatgatg gtgatgactg gcacggtgtt ggtaattcgg ttaaacac   228

<210>   40246
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<223>   Clone ID: 700941589H1

<400>   40246

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cctcacaaac atggttgccg cagcaaaact catccgcaac gaacttgcca agtgaatggt   180

ataagaaagt agaatcatcc aagtcatttg gttctgcttt atatta   226

<210>   40247
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<213>   Glycine max

<223>   Clone ID: 700941590H1

<400>   40247

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gactttcata caggtgctgc atggctgtcg tcagctcgtg tcgtgagatg tttggtcaag   120

tcctataacg agcgaaaccc tcgttttgtg ttgctgagac atgcgcctaa ggagaaagtc   180

tttgcaaccg aagtgagccg aggagccgag tgacgcgcc   219

<210>   40248
<211>   214
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941591H1

<400>   40248

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cttttgcgga gaatagaaca atggagtcgg caacggcatc atcatcggaa tcggagatgg 180

cgcttcctct tcctctggcg tcggagtcac aaca   214

<210>   40249
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<212>   DNA
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<223>   Clone ID: 700941592H1

<400>   40249

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tccattggtg gctggtgatg gaaccaaaac tcaggcactt gctgtttgcc actcagatac 120

ttctggaatg aatcatcaca tgcttcatga actcatggga gttgatcctg gaactaaccc 180

tgtttgccat ttccttggaa gcaaggccat tttatgggta c   221

<210>   40250
<211>   160
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941593H1

<400>   40250

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gaatttcagt cttcatggca ataagaatcg tcttatcttg tactcatgtg tgcatgctcc 120

atgttctgtg tgctgcaagt tccacagaat caagtattat   160

<210>   40251
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941595H1

<400>   40251

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ccgcaagcgc cacccctatg ccaccaaatc caaccagcac agagtcgtca agactcccgg 120

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tggcaagctt gtttatcaga ccacgaagaa gagggccagc ggacccaagt gccctgtcac    180

tggaaagagg attcaaggga ttccacattt aaggccaaca gaatata                  227
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<210>      40252
<211>      121
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941596H1

<400>      40252

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tgcgctgcgt ctcttcctct tctctttcga ttcatccctc attcataatc ttccactcca   120

c                                                                    121


<210>      40253
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941601H1

<400>      40253

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agaatggctg gctcatcgga agagggacaa gtcattagct gccacaccgt tgaagaatgg   120

aacgatcaac tccagaaggg caacgaatcc aagaaactca ttgttgtgga ttttactgct   180

tcttggtgtg gaccatgcgg tttaattgaa caatcctggg ctgactgggc aaaaa         235


<210>      40254
<211>      288
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941602H1

<400>      40254

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ttgtggagcc tctctttggg agttgctgat atgtatgcca ttttagtaag gcgtggctac   180
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agttatgtga gaattgtccg cttattctct atcggtgatg ggattacttc aacacttaca   240

ttttctgcag cctgtgcttc tgctggtatt acagtcctca ttggcaat   288

<210>   40255
<211>   274
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941603H1

<400>   40255

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tttcctactt aagggcagtg ataaaagaga cacttagatt gcacttacca gcaccactac   120

ttataccaag agaaacagat aaaaaatgca tgttagatgg ctacgaaatt ccagccaaga   180

cattattata tgtgaatgct tgggcaattc atagagatcc taaggcttgg aaagatccag   240

aagagtttat acctgagagg tttttaaatt gcga   274

<210>   40256
<211>   273
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941604H1

<400>   40256

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gagtgtcttg aaagaaatgg aggatgttgg caagacaaac atgctaacat aactgcttgc   180

aaggatactt tcaggggaag agtttgcgag tgccctgttg tgaacggtgt tcagtataag   240

ggttacggtt atacgacatg tgaaggtttt gga   273

<210>   40257
<211>   269
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941605H1

<400>   40257

<213>   Glycine max

<223>   Clone ID: 700941559H1

<400>   40260

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gttccaaatt cagcagatcc tttcatgaat ttggctacag cagagattaa ggcaacacta   120

gttgagaaat ataggcgttc aacatatgcc agaagggcaa aaaacagaat tcaagaactg   180

tctaccgatg aagggcttca acctccacac   210

<210>   40261
<211>   268
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941608H1

<400>   40261

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actctgtaaa catgttggtt taccaggacc tccttacagg tgatgagctt ctctctgact   120

ccttccgtta caaggaaatt gagaatggaa tgctgtggga agttgagggg aagtgggttg   180

ttaaaggagc agttgatgta gacattggtg caaacccttc tgctgagggt ggaggagaag   240

atgagggagt tgatgatgca gctgttaa   268

<210>   40262
<211>   270
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 700941609H1

<400>   40262

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acccaacctt tgacgtatcg aaaccttaag tttcggatca ggtctgagca atctggttgg   120

tagaaccttt ggtcttagag agtcaagttt tatgtctgaa ttagacgatc aaattcctac   180

tgccttcgat ccttttgctg atgcaaatgc tgatgactcg ggtgctgggt caaaggagta   240

tgtgcatatt cgcgtacagc agcgaaatgg   270

16007

<210>   40263
<211>   240
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941492H1

<400>   40263

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cgaggaagac aagaagccaa ccgaacaggg agcacacatc aaccttaagg ttaaggggca   120

ggatgggaat gaagtttttt tcaggatcaa gagaagcact caattgaaga agcctatgaa   180

tgcttactgt gaccgacagt cggtggattt caactccatt gcttttccgg ttgatggacg   240

<210>   40264
<211>   242
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<213>   Glycine max

<223>   Clone ID: 700941493H1

<400>   40264

ctttcgaaag attttatcca attgaaattt taaaaatgac tgggataaac ttaagaattc   60

aattattgaa attgaataag taaacaattt aattggattg gtcgaatggt atcaaaaaaa   120

tggagtacta actcccattt cttatttatt attgaattaa ccgatcaact tgctttgtta   180

tcgaacattt ctttttgatt tcaaaaattt tccggaaaaa atttgaatct attttttatat   240

gc   242

<210>   40265
<211>   244
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941494H1

<400>   40265

aggcagaaag caagctcatc ctagagattg aaaaatggca gcagcctcct ccatggctct   60

ctcttcccca tccttggctg gcaaggccgt gaagctgggc ccatcagccc ccgaagtcgg   120

gagggtcagc atgaggaaga ccgtcaccaa gcaggcctcc tccggaagcc catggtacgg   180

16008

cccagaccgc gtcaagtact tgggcccatt ctctggcgag cccccgtcct acctcactgg   240

cgag   244

<210>   40266
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941496H1

<400>   40266

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gtcctcagtc caaagacctt acctctctga agcatggaag gctcaagaaa ggagaaagaa   180

agagaaccct ctcgtgaatt ggaagattcc tgctctgaac aatgaaattg acataaaaga   240

tagt   244

<210>   40267
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941501H1

<400>   40267

caagaatggc acttcgttgc ttggtgatgt ccctttctgt tctcttcact cttggtcttg   60

cgagagaaag ccatgccaga gacgaagatt tttggcatgc tgtttggcca aacactccca   120

ttccaagttc attgcgagat cttctaaagc ctggccctgc aagtgttgaa atcgatgatc   180

accctatgca aattgagaaa cacagtaccc gaaaacgttc ttctataaag aagaccttca   240

tccaggcaa   249

<210>   40268
<211>   215
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941504H1

<400>   40268

16009

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tactcgcggc gagtgtggcg gtggatgctc aggagaactc ggacgtgaag acgctggtga     120

agcacaagca cgcgaagaag tactgcgaca aaggatggga atgtaagggc tggtcaattt     180

actgttgtaa cctcaccatt accgattatt ccac                                 215
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<210>   40269
<211>   240
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941505H1

<400>   40269

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gagagagtga gagaggatgg tttctccagg ctgcaaggtc tttgggtcct tcgggagatc     120

gtacttccta tcataatgaa gctgttgaca gcattatgtg taccctacgt tttggccaaa     180

ggtgtatttc cagtgcttgg gtatcccttg gtgataaatt ctgccgtcta tcggtttgca     240
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<210>   40270
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941506H1

<400>   40270

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aacattctga gttcgacaga cagtgataac ctcaaatcat atatcatttg ctgtttcagt     120

tcccctcttc cactcttatc gtc                                             143
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<210>   40271
<211>   240
<212>   DNA
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<223>   Clone ID: 700941509H1

<400>   40271

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gccatcgtcg ccgccgtgct cctcctggcc ctctccgcca cccccgcgac ggcgcgtccc   120

tgcaggagct tcataatctc ctcctactcc ttccgcaacc ctaactccaa cacgttcgcc   180

accatcaccg agaaccgatc cttcacccct ctctacatca ccgacaaacc ccctcctat   240

<210>   40272
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941510H1

<400>   40272

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gattagaatc acccttttcct ctaagaacgt caagaatctc gagaaggttt gtgctgacct   180

ggttcgtggt gccaaggaca agcatctcag ggtgaaggga cctgttagga tgccaa   236

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941511H1

<400>   40273

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tgagttttga atgctgatct aatgagaagt tttcgtagcc tcgcagggat tgcaagtttta   120

agtagcaata agtattttgt atgtacagta tagcaacaga tgtaaacaca gaataagcct   180

ttaatcagtg agtgacttga acagcattca taacccaaa gatgccccat gcagt   235

<210>   40274
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941514H1

<400>   40274

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gtagggcttg gttgggggtt tggtactgcc tttggtagca agtatcgttc ctcacgggtc   180

acatttcaag gagtggattt tcatagcaag gagaaagtta acagcacgga gt   232

<210>   40275
<211>   236
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941515H1

<400>   40275

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ctctctcttc cccatccttg ctggcaagg ccgtgaagct gggcccatca gcccccgaag   120

tcgggagggt cagcatgagg aagaccgtca ccaagcaggc ctcctccgga agcccatggt   180

acggcccaga ccgcgtcaag tacttgggcc cattctctgg cgagcccccg tcctac   236

<210>   40276
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941516H1

<400>   40276

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gtttggtcac agaacgagcg actatgatcc caattatcga tggggttcct cagatgaaga   120

aa   122

<210>   40277
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941519H1

<400>   40277

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tcgctataag cgccacaaag gttgtcctag agtagctgga gacgaagagg acaactttga   120

tgcagatgag tttgatgatg agtgtccggt gaagaatcat cttgaagatc t   171

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941524H1

<400>   40278

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cctcaagcta gcccaacaaa agaacctctc agactgcaag acactgcgca ctctgggggc   180

agagtttgct tggtcctacc acaatgtcac gaataaatcc   220

<210>   40279
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941526H1

<400>   40279

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aaactttccg tttactcgaa   80

<210>   40280
<211>   232
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941527H1

<400>   40280

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ttgtggccat tcgcccagca aagaaccctt tttgcgtgaa gggtcgcgtc tactgtgacc   120

cttgccgtgc tggttttgag acctcagcaa ccacctacat tgccggtgct gagattatgt   180

tgcaatgcaa gagcagggtt agcaacgagg ttgtgtacac ctttaagggg ta   232

16013

<210>   40281
<211>   233
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941531H1

<400>   40281

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tcgcttcgcc tgatattctt tatggctgag atcaagcaaa aatgagcgtg gttggatttg   120

attttggtaa tgagagctgt attgttgctg tcgcaagaca aaggggggatt gacgttgtgc   180

tcaacgatga gtcaaagcgt gaaacacctg caattgtatg ctttggtgac aaa   233

<210>   40282
<211>   247
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941532H1

<400>   40282

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accaaatgct tcctacagta ccttgtttga gtcttggtaa tttgccaaaa gttgggaaag   120

agtttggatg aataaatgat aaaagttgac gcaagtaaat tgccaaaatt aaaactttag   180

ccaggtaatt tgacaaaaag tctaaaggtt aaagcaggta ccttcttttt aatgctagaa   240

aagaatc   247

<210>   40283
<211>   242
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941533H1

<400>   40283

atcgacacct atggaggatg aggtgcacat ggtggtggtg ccttctctgg gaaggatcct   60

accaaggttg ataggagtgg tgcctacatt gtgaggcaag ctgcaaagag cattgttgca   120

aatggacttg ctaggagggc aattgtgcaa gtttcctatg ccattggtgt gcctgagccc   180

ttgtctgtgt ttgttgacac ttatggcact gggaagatcc ctgacaggga atcctcagca   240

16014

<210>   40284
<211>   236
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941537H1

<400>   40284

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ttcgataagg tgtgtattaa accaggcaag ccatttacat ttgcagagat tgactttcaa   120

tctacagaga gcacaattct agcttttggg ctacctggaa atcctgtcag ctctttagtt   180

tgcttccatc tctgtggggg tccctgcaat acgctaccct gcagggtgga caaatc   236

<210>   40285
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941540H1

<400>   40285

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gtgacaggtg gaagtccata tggtgctgga acttacgccg gtgatggctc aagacagcca   120

agtgagcttg agttacaaca agcattccac caagggaagt acatctgctg gcatcacaaa   180

gaagctcaag caagctgcat aatgttgcct tgccttcata ttagatcata ctatta   236

<210>   40286
<211>   224
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941541H1

<400>   40286

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ggtggatttc aactccattg cttttctgtt tgatggacgc cgcctccgag ctgagcagac   120

tccagatgag ttggaaatgg aggacggggga cgagattgat gccatgcttc accagacagg   180

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aggttctgtt gtctgaagga tgtgattacc tttgctcctc atta                    224


<210>     40287
<211>     246
<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941490H1

<400>     40287

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tctgatagca gaagatgtga agagcagatc agaggtgtac cacggggacg aaatgtgcca  120

agtgaagtcc aaggagcttc tcaaggaaat cgccctcccc aacggccttc ttcccctcaa  180

ggacatggag gagtgcggct acgacagaca aaccggcttc gtctggctca aacaaaagaa  240

gagtta                                                             246


<210>     40288
<211>     78
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<213>     Glycine max

<223>     Clone ID: 700941542H1

<400>     40288

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tggatttcca cacaacat                                                 78


<210>     40289
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<213>     Glycine max

<223>     Clone ID: 700941546H1

<400>     40289

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ggtctcgttc tccgcacaac at                                            82


<210>     40290
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<212>   DNA
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<223>   Clone ID: 700941548H1

<400>   40290

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aggaaatgga aggagcaaag agtcatctcc attttttttga aatggatctt cttgacatcg   120

actccattgc cgctgccata aatagttgtt ccggcgtaat ccaccttgca tgtcctaaca   180

tcattggtca agtcgaagat cccgagaaac agatattgga accggcgata aa   232

<210>   40291
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941555H1

<400>   40291

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agattatcaa tgttgaggat gttttcaaag ctcttgagga aactgagttc cctgagtttc   120

ttcgtcctct gaaagcttcc cttgaagagt ttaggaagaa gaatgctgga aagaaagctg   180

cagtgtcaaa gggaaaggat gatgagccga gaaagaaaag gaagttggaa ggtg   234

<210>   40292
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941556H1

<400>   40292

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cagctccata gtgtcgccgc cggaggagct cgttgccgcc ggcagccgta caccgtcgcc   120

gaagatgacg gcggcggcgc tgcggaagtg gttcgaggag aagaaccccct ccgcagtgtc   180

ggtggaggtc ggagagcatg tccagctcgc ttatacccac cagaacgag   229

<210>   40293
<211>   181

16017

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<213>      Glycine max

<223>      Clone ID: 700941408H1

<400>      40293

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gattacagta catgggccag tggcttgaaa ttgaaagtcg agatagtct tgttttcaat   180

t                                                                   181


<210>      40294
<211>      257
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941410H1

<400>      40294

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cccttttcat gggaagacaa acccgggggtt tgtaagaccc ccaacagtga tttccctcta   120

aacaacatag gaatacgata aaaaatcatg ttctcccttta ccaccaccac catttgctcc   180

tacccatttg agcaactcaa ggagaatgtt ggaaattcaa gacaacgagg aagattcctc   240

tgcctccatg tccatta                                                   257


<210>      40295
<211>      262
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941411H1

<400>      40295

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gcttgcggtt catcactgag gcagtaaaaa atgtctgaca cagaagacca tgcagcatca   120

gagtattcca atggtgacga atcccctcca aagcccagac agaggttcag ggacagatct   180

aaggagatgc tgtccaaaca agctgtgcag accaagcaaa tgctttccaa acaggccgtt   240

aagattgcca aacaagctga ag                                            262
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16018

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<211>      83
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941414H1

<400>      40296

cttgaagagt agaaatccac ttatggaggg tgcaaagagt tgctcgtgtg ttgctacaat   60

atctgtggca ttagtgttgc tcc                                            83


<210>      40297
<211>      265
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941422H1

<400>      40297

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acctgcatgc tgagtatggt actgcaatca catgggacca tgcattacag acaagtttgc   120

tgtattttga gaacaaaact cacaaccttt tcacttgcaa ctggcactcg tttgtcgcga   180

actgtctgaa tcgactgtgt tatggtggat caatgagttg gaatatggtg aatgtaggag   240

ctttggtact attcaagggg cactg                                         265


<210>      40298
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941423H1

<400>      40298

ttcttcacca ccatcacaac aacttcacca acactaactc aacccgacac acacccacac   60

aagaaaaaat gtccctcctt tcctccggtg gcttcttcgg ccgcagaaga aacgacccgc   120

cacccccacca acccacgtgg gaccactacc aggcccagga ccatcaccac cctctgggag   180

tttcccagcc ccaccaccca cccccccttca tgtccttccc cagtgactcc tcgccggtgc   240

gcaacaccgc cgtcatagag tggaag                                        266
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<211>      255
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941424H1

<400>      40299

gcagaaactc catcaccgtc aacagaatcc actagttcat ggcgcgcttg catcgcacta      60

gatccatgac gtcgtcgaac agcaacagtt gctgctacaa cagcacgagc cctacagtgg     120

gatggtctcg ctgttcgaca ccgccacgtt catggttgtg gtcaccacgg tcacgttgcg     180

gacctcatca cggcggcaaa ggagtcggtc taccaccaac gtcgaggcca aggacacgtg     240

gaacaaccaa gtagg                                                      255


<210>      40300
<211>      100
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941425H1

<400>      40300

cgaacctagc tattcattaa gtagtagctc agaatggaag tggaagagag acgaaacttg      60

tcgttgaacc atctcaagga gctgccaccc caggtcatcc                           100


<210>      40301
<211>      254
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941427H1

<400>      40301

tcacaatcca agcctgatgg ggcagtaaaa aagatccgga aacctaagcc ttggaagcag      60

cctcagccca taacaaagac tcaggcttac acagattacg tgaatgagtt ttgggataca     120

gctcctcact attgtggccg gaaagagatt tgggatgctc ttcgagctgc tgctgaggct     180

gatctaactt tagcacaagt aattgtggat agtgctgggg tcattgtcca gagttctgat     240

ttgacagtat gcta                                                       254
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<210> 40302
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700941432H1

<400> 40302

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ggaggtgcat tttatactac taacactgga agtgttccct cctcaaactc aaggctctca   120

ccccttccac cagagcctta tgctcgtggg gcaactattg acatccccct aaataatgca   180

aaggacgcaa aagcaaatga gaaggaactt caagctaaag aggctgaatt gaaaagatgg   240

gaacaggaac ta   252

<210> 40303
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700941438H1

<400> 40303

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ttagctatgg aatggatgat ggtgatgaca tttacatgcg ctcttggact ggcacgatta   120

ttggcccccca taatactgta catgaaggaa gaatttatca actgaagctg ttttgtgata   180

aagactaccc agaaaagccc cctagtgttc ggtttcattc acggatcaac atgacttgtg   240

ttaatcatga aactggagtg gt   262

<210> 40304
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700941439H1

<400> 40304

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tggcaaccat tcatctggat ccagtgtttg aagcgggtag cattccagaa actgcttaca   120

16021

aggttgtgaa ggacgaagaa tattgtggag agattaaggt ggctctcact tttactgttg   180

agaaatatga ggagcaggat tatgctgaac ctgaagagag ctatggtgga tggaaaatcc   240

agttggggaa ttttaaagtg   260

<210>   40305
<211>   189
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941441H1

<400>   40305

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agcacctcgt accgcatctc gtcgctgtgt atcacgtgat ctcgtacgac accatatggg   180

ctcggacca   189

<210>   40306
<211>   260
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941449H1

<400>   40306

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gagtttcatc agcctaactt tggtggttct tcaataaaaa aaggtggtcc aagggaacct   120

tggcacgaca tccattctcg acttgaaggc cctattgctt gggatgtttt gtgcaacttt   180

gagcagagat tgaggaagca gggaggaaag gacttacttg ttccactgag agaccttgtt   240

gatgtcatta ttcccccatc   260

<210>   40307
<211>   227
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941457H1

<400>   40307

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tttgttttta attgagatcg ttgcatgtat ggtttaatat aatcttaggc aagtagcagc   120

aaagatgctt ctctgtgaca tgttcaatta ttaatttata tgaattgcgc tttaatttgt   180

tgaaaaaaaa aaaaagaaaa ggggaaaaag aatagggaat ttggaga   227

<210>   40308
<211>   257
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941466H1

<400>   40308

atcacaatgg cttggtcctc taattgaagt gattagattc tctaccaagt caattgagag   60

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tggtggtaac ttccaaggaa ctcctattgg agtctccatg ataatacac gtttggctct   180

tgcttcaatt ggtaaactca tgttttctca attctctgag cttgtcaatg attattacaa   240

caatggtttg ccttcaa   257

<210>   40309
<211>   254
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941467H1

<400>   40309

gctgagtctg tctgatcgtc aattgcagat gtggttctgt caccggagac tgaaggaccg   60

aaatgccaag aagctgcaaa atgattcatc acttgcgtcg ggtccggcgg tgggtgagga   120

gggtgttgag caagtgacag gggctgatgt tgtccgtgat tgtggtttag cttctgggcc   180

attcgatcat ctggattcgc ggagaattgc gcctcggcct gggttgacgg cctttcctag   240

tatgggagct ggat   254

<210>   40310
<211>   254
<212>   DNA
<213>   Glycine max

16023

<223> Clone ID: 700941470H1

<400> 40310

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tcatctctgc tgctgagctc cgccatgtga tgaccaacct cggggagaag ctcaccgatg   120

aagaggttga tgagatgatt cgcgaggccg atgttgatgg cgatggccaa ataaactacg   180

aggagttcgt taaggtgatg atggccaagt gatcatcaca ttatggccac aaaaacctaa   240

atgaagaaat gttg                                                      254
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<210> 40311
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700941474H1

<400> 40311

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ccgctcgagc ggctcgagct cttaatttct ctctgtctcg tttacacatc tctccaacct    60

ttcactttcg tttctcagtt ttattcgaat ccctctctca atctcctttc caaatggcca   120

gcgttgaggt tgcacagcaa acaccaacaa cagttccaga aaatgaaaca accgaggtaa   180

gcaagaccca ggaaacaacc ccagtcactg aggctcctgc aacagaacaa ccagcagctg   240

aggttcctgc aa                                                       252
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<210> 40312
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700941476H1

<400> 40312

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tgcgagcact ggagaggag attggcatcc ccattgtggt ttatggaccc gaagccacaa   120

tgactggtat atgcaaagag gcaattacag ttcattacag ccgctgctta aggtcaacaa   180

caccttcatt tatagtattt tcatggtgag tctgaagtga cgttgattc ttaatttcct   240

tttccattc                                                           249
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16024

<210> 40313
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700941478H1

<400> 40313

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tgaagaatat gttggagctg atattgtgaa aagagctctt agttaccctt tgaaattaat   120

tgccaaaaac gctggtgtca acggtagtgt tgtcagtgag aaggtattgt ccagcgacaa   180

tccaagatat ggatataatg ctgccaccgg ataatatgaa ggattgatgt ctgctg   236

<210> 40314
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700941480H1

<400> 40314

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ttttgggagc tactggaagc ccatttgtgt gcagggttca tattgccctc aagttgaagg   120

gagttcaata catatatgtc gatgaaaatt tgaggaacaa gagtgtactg cttctcaaat   180

ccatcccagt tcacaagaag gttccagtgt ttattcacag tgagaagccc atagcagagt   240

ctcttgt   247

<210> 40315
<211> 102
<212> DNA
<213> Glycine max

<223> Clone ID: 700941481H1

<400> 40315

cagcacaatg cgggttactg tgtggtcaag ctaccatctc tctctctctt tcttagtgcc   60

tccttgccag tagttaaaat tgcccaagaa actttcctat tc   102

<210>   40316
<211>   254
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941482H1

<400>   40316

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ttacgtggcc attatgctta cattcacttg gtgcagaaaa aaattaacaa gaaacaagga   120

gcagctcatg tggtggttga gattccaagc aatatgacag agaacaatac aaacaagaag   180

caaaatgagt tatccactat ctttgagatt ggaaagcctg aagtaaggcg tggccaaggg   240

cactgtaagc tttg   254

<210>   40317
<211>   266
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941407H1

<400>   40317

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accagaatct atgctgcgac gttatcagat tcaggaccaa ccaggaaaac aaggaaatgc   120

acaatcagtt ccagcatcta attatgcatc tgatttctca gtcttaatgc cagggcagca   180

gtatcctaca tacatcgccc aacctgcccc tctgctgcct tctcaaaggg aaggggttta   240

ttggccttct catgaacatc attttg   266

<210>   40318
<211>   236
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941484H1

<400>   40318

gccggatctg ctaaaatacg cttgatccat atgggcttcc tcgaccactt gtgggacgac   60

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actttccgac ctagctccgg caatgaagcg gagggcggga gcgtgagatc gtacggtgac   180

gaatcgtcgg aggaagcgac tagagtgacg cgtagtatca tgatcgtgaa accgcc   236

<210>   40319
<211>   73 ·
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941488H1

<400>   40319

gctagaatgg aatttcgatg ctcagtcatc tcttttacca ttctcttctc tcttgctctt   60

gcaggagaga gcc   73

<210>   40320
<211>   249
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941489H1

<400>   40320

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gcaccagaga ttccttctct cgtcctttca ggaagaaggg aaccatcgcc ctcaccacat   120

acctgagaac ctaccacgtc ggcgactatg ttgacgtcaa ggttaacggt gccgttcaca   180

agggaatgcc ccacaaattc taccatggcc gcaccggacg cgtctggaat gtcaccaaac   240

gtgctgttg   249

<210>   40321
<211>   262
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941365H1

<400>   40321

ggtttgctgt gtcatggata tttgatcaga attaaaatgg agggcaattc tgcgagaaac   60

ataccttgat cggttatctc ttcggtatga gaaagaagga aagccatctc agttatctga   120

tatagacgtg ttcgttagta cagtggaccc tatgaaggaa cctccactca gtactgcaga   180

cacagttctg tctatccttg ctgtggatta tccggtggac aaggttgcat gctatgtttc   240

16027

agatgatggt gctgccatgc tt   262

<210>   40322
<211>   260
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941366H1

<400>   40322

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cttcaattcc aggtgagcca atggacaaga tgactgctct acagcttgtg ctgagaagat   180

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atgctgcaca gctctgtgtt   260

<210>   40323
<211>   243
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941368H1

<400>   40323

gcagcattct ctggctcgtc aaagaagtta tcagacttga atgtggccga catacattca   60

tgggctccag attttagaag gttgcaggat cttgtaaatg aggaaattag agttagattt   120

tctggtggta aatctacggt attgcgcgaa ttggaagcgg ttgatgcctc tgtgcagata   180

ttatgtccta ctatccaagc tggtgcagat accggtgaga cagaatgcgc ttgtgaagac   240

tgt   243

<210>   40324
<211>   81
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941370H1

<400>   40324

gcaaaagtca cctgatgagt gtaaggcttt ttatgcacat cctgttcatt gtagtgcctt   60

16028

tggttgtgca tcgccgccgc c   81

<210>   40325
<211>   101
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941371H1

<400>   40325

tcaagtttaa attttcagtt ctgttctgct tctaatggcg agtttcagaa acgctgcgat   60

caacgtcttc agagcgatca atactaacaa agccaccatc g   101

<210>   40326
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941372H1

<400>   40326

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accggccgca agatcatcat cgatacttac ggaggatggg gtgctcatgg tggtggtgcc   180

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gctaagagca ttgtggcaa   259

<210>   40327
<211>   258
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 700941373H1

<400>   40327

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ggaagatggg taaggaaaag gttcacatca gtattgtggt cattggccat gtcgactctg   120

ggaaatccac taccactggt cacgtgattt acaagcctgg aggcattgac aagcgtgtta   180

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ttgagaggtt tgagaaggaa gctgctgaga tgaacaagag gtctttcaag tatgcctggg    240

tgctggacaa acttaagg                                                   258


<210>      40328
<211>      258
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700941374H1

<400>      40328

attatcaact ctttcaaaag tgagagaaga gaaggaaagg aaacaaaacg cacaaaggan     60

nattatagca atggcagaac aaaaccaaaa ccagacaact ggagatataa agcaccaaga    120

ggnaggccac aagagccatc tcctgagtga tgctcnnnac cagtatattc tggagaccag    180

tgtctaccca agagaagctg tatccatgaa agaactgaga gagttgacag caaaacaccc    240

atggaacatc atgacaac                                                  258


<210>      40329
<211>      261
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941377H1

<400>      40329

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gccaccagcc atgggtcgta tgcacagccg cggtaagggt atatcctctt ctgctttgcc    120

ctacaaaagg acacctccta gctggctcaa gatctcttcg caagatgtcg aagaaaatat    180

ctgcaagttt gcgaagaaag gtttgacccc gtctcagatt ggtgtcattc tcagagattc    240

tcacggtatt gctcaggtca a                                              261


<210>      40330
<211>      257
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941378H1

<400>      40330
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16030

gatcgacgat attcccgttc cggacgccac cttcggtgtc aattcctccg ccttcacatg   60

gttccctaac gccttgtaac gttcctccaa tgtcggcgta taaattgatg gctcgttggg   120

ggattctgac agtctcaaag tgtctggctc aaagaaaagg gttaggtctg agtcatgtgc   180

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tgttgaattg ggcgcca   257

<210>   40331
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<223>   unsure at all n locations
<223>   Clone ID: 700941379H1

<400>   40331

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gctcgtgtca ttgtcaccga gattgatccc atttgtgccc ttcaggctct aatgttgggt   180

cttcaggttc tcaccctgga agatgttgtc tccgaggccg acatcttcgt caccaccaca   240

gggaac   246

<210>   40332
<211>   258
<212>   DNA
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<223>   Clone ID: 700941380H1

<400>   40332

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ccacccagga ccacgccggc gccgctattg cccgcgacag tgccgccgtc ttcgcctgga   120

agggtgagac cctccaggag tactggtggt gcaccgagcg cgccctcgac tggggccccg   180

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gcgtcaaggc cgaggagc   258

<210>   40333

<211>   262
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941381H1

<400>   40333

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tggcaaccca agcctctctc ttcaccccac ccctctccgg tctcaaaccc agcgaccgag   120

ccaccgcgcc atggaaacaa tcctccaccc tctccttctc cacctcgaag cccctcaagt   180

tctcgcgaac aatcagagca gcagccaccg accagaccac agaggcaccg gttgggttca   240

ccccaccgga actggaccca aa   262

<210>   40334
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<212>   DNA
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<223>   Clone ID: 700941382H1

<400>   40334

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tgggctgaat gcacaactgc ggttagttcg gcgtggacga ctaagagtaa cattttttacc   180

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tgaccttgcc tggttt   256

<210>   40335
<211>   123
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941383H1

<400>   40335

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cccgtggtac ttcaaaagat ccccgtgggt cgtctttgac aaaggagggg agatctacac   120

gac   123

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941384H1

<400>      40336

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tacagcatgc cctgg                                                     75


<210>      40337
<211>      230
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<213>      Glycine max

<223>      Clone ID: 700941386H1

<400>      40337

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tacccttac cattcctttt atctatcttg tttttgcgtt ttcctgtctt tgatatgttg    180

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<210>      40338
<211>      253
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700941387H1

<400>      40338

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gcaccggcta catcggcaaa catatagtgg aagcaagcgc aaaggctgga aatcccactt   120

ttgctttggt gagggaatcc acactctctg aaaaagaaaa agcacaactc atccacagtt   180

ttgangtctg ggggcgttaa tttggtccgc ggggatctgt acgatcatga gaagttcgag   240

aaagctatca agc                                                      253
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<210>   40339
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941388H1

<400>   40339

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ggaggaggca ggaatggtag gttctccaat ggtggcggaa gaggtggacg tggcggcaac   120

tggggtggaa agagatggtg aagctgagaa aggacttagg gagttgagtt ttcactctgc   180

tcaatgtggg aggagcattg ctgcgtgata caaccacatg gagagatgac tactacagtt   240

gtgaatgaag aaaac   255

<210>   40340
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<212>   DNA
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<223>   Clone ID: 700941389H1

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tgcttgacaa agtgaaagac tttttggag atgcaaagga atcttttgga aagataacat   120

cattgggcac tactgaaaca gaggagtcag aggaagacac aaaagaaaaa gccaaggtta   180

aaggatgaaa ctatagctgg aaatgatttg cttgaattgt tatgagtagc ctgtggccct   240

atgagatcag aaag   254

<210>   40341
<211>   257
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941391H1

<400>   40341

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ggctgcaaaa aattgatact gagatacgag cattacttaa aggtgtcatc aacaaacgag   120

agaatgcaat gaaggctggt gaagtcttga caatgacttg ttgggcatg cttttggaat   180

16034

caaaacgtat ggaactacaa gatcatggac agaatagcat tattgcaatg actagcctag   240

tggtaattga ggaatgc   257

<210>   40342
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941393H1

<400>   40342

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tttttattga accgtgtcaa tggccgctac tatgaaggct ttagcttttg ttgctttgct   120

tgttaccatt aatgcaatag tgtgtgacag tagagtggcg agacaggacc ttggattgga   180

ccttggtggg gtgggaattg gggtgggtgc tggggttgga ctaggccttg gtggtggggg   240

tggtgctggt tctgg   255

<210>   40343
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941394H1

<400>   40343

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ttactgctct caacctcatg aaccaggaca aaatcctcat ggaaagctgt tactatttga   120

aagatgcagt ccttgaaggg ggtattccat ttaacaaagc atatggaatg acagcctttg   180

aataccatgg aacggatcca aggtttaaca aggttttcaa caaggggatg gctgatcact   240

ctaccattac aatgaag   257

<210>   40344
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941395H1

<400>   40344

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atgccatgtc catacgcctt gaaccagctt ttcaccaaga atccttagcc aaaccgcacc   180

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tgaggagaac acttgccgc   259

<210>   40345
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941364H1

<400>   40345

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ttctcaattt gtcttacata atgttgtctt tctcagggag gaatcagagg gcaagttgaa   180

gggaattctt ggttacactg aagatgatgt ggtctccacc gactttgtgg gcgatacagg   240

tataaattat gttaa   255

<210>   40346
<211>   189
<212>   DNA
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<223>   Clone ID: 700941401H1

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cattgttggc ttggtttgga gacacttgca acaagttcac aatttaacca cctgttactt   180

gtattgaaa   189

<210>   40347
<211>   251
<212>   DNA
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16036

<223>   Clone ID: 700941405H1

<400>   40347

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cttacacgcc atagctctat gaatagtcca ccctattata ttttatagca ttttgtaata   180

catttatttt attgcccttg tttctgtaaa tctgatcaag aaagtggatt gacgtagcta   240

aaaaaaaaag a   251

<210>   40348
<211>   264
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941323H1

<400>   40348

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agcttgatga gttggaaatc atagccaagg ctggccctgg tgttcacctt ccccctccg   180

acattgcttc tcggctccca acacacaacc ctgatgcacc cgttatgttg gaccgtatat   240

tgcgcctctt ggcttgctac aata   264

<210>   40349
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941324H1

<400>   40349

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tgaaacatcg tgtgcacagt accccagaag atcgaacaag gatctccacg aagacaaacc   120

tctgttctca actgtgtttc tttacctctc acctactttc agaccatacc agattgacta   180

ggctgagaag atgcagcaga caccgcctat gattcctatg atgccttcgt tcccacctac   240

gaacataacc accgagcaga ttcaa   265

16037

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941325H1

<400>      40350

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ttcatcttca tcatcctcat catccctaag agattctgtt gtacattaca aggctaggaa   120

agtgtaataa taaaagcata catagcgttt tttattttga catacatatt atatatagtg   180

caaatttgaa aggtgaagcc taccaactca tctgtaaaat tgtgaaagca ggaaagttga   240

tgttatagta ccttttgtaa tca                                           263


<210>      40351
<211>      261
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941327H1

<400>      40351

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cgtagaagcg ttagaacctt actgattctt ggaaagaggt ttctgaagag gggagactgg   120

cctttcaggc tctgttctcc agagaggtgt tgcctcaaag cttttcacct cctcatgctt   180

tgaagaatac ggatcatcaa atggacaacg ccaatgataa caagcaaaac atagatgaca   240

aagatgaaga tcttgacggc a                                             261


<210>      40352
<211>      261
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941328H1

<400>      40352

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taggtagcca tgaaaccaca agtactgttt gcactttcgt tgtcaaatac cttgccgagc   120
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16038

tccctcaaaa tatttatgaa aatgtctatc aagaacaaat ggcgattgca aaatccaaag   180

ctccaggaga gttgttgaat tgggatgaca tccagaagat gaaatattca tggaatgtag   240

cttgtgaagt aataaggctt a   261

<210>   40353
<211>   84
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941329H1

<400>   40353

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gcaattaaga gtggaaaagt ccgt   84

<210>   40354
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<212>   DNA
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<223>   Clone ID: 700941330H1

<400>   40354

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gattttcgtg aagactctta cgggtaagac tattaccctc gaggtggaga gctctgacac   120

cattgacaat gtgaaggcca agattcagga caaggaaggc atcccaccgg accagcagag   180

gctgattttt gctggcaagc agctcgagga tggaaggacc ctcgctgact acaacatcca   240

gaaggaatca acccttcacc tt   262

<210>   40355
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941333H1

<400>   40355

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gttagctcca catatgtgcc atgcaaccca cgccccaaaa ctccaaaaca cccacctgtc   120

16039

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ccaaagccac cttccccaaa gcaagcaagt tgccccaaag acactattaa gtttggtgtg    180

tgtgctgatg tgttaggttt gatcaacgtg caacttggga agccaccaaa gaccccatgc    240

tgcaacctca ttgagggtct cgctga                                         266


<210>      40356
<211>      128
<212>      DNA
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<223>      Clone ID: 700941334H1

<400>      40356

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cctaaaatga agatcaaaca acaatctctc ttctcagcct caattttact agttatagca    120

cttattac                                                             128,


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<212>      DNA
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<223>      Clone ID: 700941339H1

<400>      40357

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atccaaattt agggttgaaa gggcatgcat ttaaaatgag atccaaattt aatgttgaaa    120

ggtgacagag tttggccacc attattattt attattctag aatcccaagc gctaaaaaaa    180

aaaaaaaaaa gaaaaaaaag aaaacaagat atgtaaa                             217


<210>      40358
<211>      260
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941340H1

<400>      40358

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attcagcaac agaaacaaca accacaacaa caacaacagc aacaataata tagacactct    120
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accatgtgat ggtgaaaatg ttaacgttgt tgtgagacaa gggcatgtta gatctcaaag   180

tgttcctaca atctcaaacc ctgccttgta tagaatgtcc ttggactacc accaccacaa   240

ccagggaatg gggttgctca   260

<210>   40359
<211>   262
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941341H1

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agtagttctt ccttttctca aagcaaaaaa aatgttcatc gagagtttca aggttgagag   120

tcctaacgtg aagtacacag agactgagat tcagtccgtg tacaactatg aaaccactga   180

acttgttcac gagaacaata atggcactta tcagtgggtt gtcaagccca aaactgtcaa   240

atatgaattt aaaaccaaca cc   262

<210>   40360
<211>   257
<212>   DNA
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<223>   Clone ID: 700941345H1

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aagaaagaag atgaagcagc agagagtgga gtttatgggc atgggcatgg gcatgggcat   120

gggcctgggc cttttggtgg tgatgatggc atgtgggtcg gcgagtggtg cggatgattt   180

ggcaaccaag tgttcagcgg tgattcagaa ggtaataccg tgtttggatt tcgcgaaggg   240

gaaggaagaa acgccga   257

<210>   40361
<211>   173
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941346H1

<400>   40361

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tctgcaactt cagcagcttc aggatgagaa caaccctgac tttgtggtcg aagttgtctc   120

tctcttctgt gaagattctg aaaggcttct caaagatctc acctttgccc tag   173

<210>   40362
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941347H1

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tgtgttcagc agctccatag tgtcgccgcc ggaggagctc gttgccgccg gcattcgtac   120

accgtcgccg aagatgacgg cggcggcgct gcggaagtgg ttcgaggaga agaacccctc   180

cgcagtgtcg gtggaggtcg gagagcatgt ccagctcgct tatacccacc agaacgagtc   240

gccgtttcag cccagatcc   259

<210>   40363
<211>   263
<212>   DNA
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<223>   Clone ID: 700941348H1

<400>   40363

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cgtctccgtg gtggcatgca gatcttcgtt aagaccctca ccggcaagac tataacccta   120

gaagtcgaga gctccgacac catcgacaac ttcaaggcta agatccagga caaggagggt   180

atccccccag accagcagag gctgatcttc gccggcaagc agctcgagga cggacgtacc   240

cttgctgact acaacatcca gaa   263

<210>   40364
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<212>   DNA
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16042

<223>   Clone ID: 700941349H1

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tctcttcaag ggagagaata aggaacctga gttcctaaag ctgcagccat ttggatcact   180

tcctgttatt caagatggtg aatatactct ctatgaatct cgtgcaaata tcagatactt   240

ggcagagaag tataaagacc aag   263

<210>   40365
<211>   128
<212>   DNA
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<223>   Clone ID: 700941352H1

<400>   40365

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tcttcggt   128

<210>   40366
<211>   262
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941353H1

<400>   40366

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gcattacttg tgcagtttgt ggtccacatc ctcccagttt gctatactgt cggtcggttc   180

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tgagctaact agggcgagtg ct   262

<210>   40367
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16043

<212>   DNA
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<223>   Clone ID: 700941354H1

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gactgtgcaa catgacacga agaactatga tgatgaagat aattggtctg tcgcctcctc   120

tgctatgtct atgcgcacag ctagatctaa ggtaactcat ggttcagccc ctacatttag   180

atgctccgaa cgtgcagaga aacgtaggga gttctatctg aagttggagg caaaacaccg   240

agctcttcga agaga   255

<210>   40368
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<212>   DNA
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<223>   Clone ID: 700941355H1

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caggctctac aagagcagca acatggcccg gcagcacaaa atcctcgaac tccaaacacg   120

ccgcgtccag gttcagggtc aggtccttcc aatcacagtc aacctgtggt gcaaagtcaa   180

cagaactcaa atcagagctg aattgatgtg tttgtggttt ctcttaacac taggggttgc   240

agctgattgc ttttcattct   260

<210>   40369
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941358H1

<400>   40369

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tcaatctctc ttattgggga ttgggtatat caatcggaaa cggaagacgc gtacgcagat   120

gagttggaaa cgactggaaa agcgaaaaaa aagcaccgaa aaacgttgcg ccaccttgat   180

tactctctcg cggaagacaa aggctcggta ggataggttg gtccttgagc tgcttgtgtc   240

16044

agcacaaagg agagttgtat   260

<210>   40370
<211>   255
<212>   DNA
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<223>   Clone ID: 700941361H1

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gatgtggttg atgcaaaagt tataactgac agagactctg gaagatcaag gggatttgga   180

tttgtcaact ctccaatga tgagtctgca agttcggcac tctctgcaat ggatgggaag   240

gatctagatg ggcga   255

<210>   40371
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941362H1

<400>   40371

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caaaatgaaa agttttggag cagcagaaaa ttctgaggaa gtggataagt tatcaagctg   120

tgcttctgaa acagtcgaat cccctgagaa attggaaggg tcggctgagt ctcacccggg   180

gaacatgttt gacgatttca tgggtcttct gcagaatgtg aagcttacag ttattgaatt   240

ggtaagtagg ttgtctgg   258

<210>   40372
<211>   257
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941363H1

<400>   40372

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tttggctttt gcttgcttct ctgcggcagt ttagttgcaa ggcgtaggga gtacctctac   180

cttggtggtt tgctttcttc tgggctgtcc attcttatgt ggttgcactt tgcttcctct   240

ctctttgggg gctcaat   257

<210>   40373
<211>   263
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941321H1

<400>   40373

gaaaattcac aattttgatt ctcatatttt aaaaaattaa tgatttcgat gcaatcttca   60

attttatttta cgttttattt tatttatttc ttacattata gttaattaaa tcatttttg   120

atgatatatt aaattgagaa ttggactaaa attaaaaaat ttgtaaaata gaaggtcaaa   180

tcttttttatt ttgaaataga agattaaaat tgcatattct ttaaaacaga tgtcaaatgt   240

ttttatttta aaatggagag act   263

<210>   40374
<211>   266
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941281H1

<400>   40374

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ttccctgact gtcaaatatg gctcgtacaa ccactctcga gtgctctggt tgccctccac   120

ttcgcgctct aacgtttgac gcgcttggtc ttatcaaagt tgtggaggcc cgcgataagc   180

aacgaggagc tcccctggtg gtagagaggt tgggcgaccc tggaatcatc caaatgtgtg   240

atggctgtat caatgatcga ccgcaa   266

<210>   40375
<211>   231
<212>   DNA
<213>   Glycine max

16046

<223>   Clone ID: 700941282H1

<400>   40375

atcaaacgca gcattgggag atagaaagag agagagaaag agagagagat atagaccctt   60

agtcttctct atcgtgcgct ttcctttgac gcgtctgacc cttgctttgt ctgcgtcttc   120

cttctgtctt tctttctttc tctgtgtgtc gtaatggctc tcccagactc ttcttcccgt   180

cgcaactccc tgatcccctc cttcatctac tcctcttcct ccaaaacgct c   231

<210>   40376
<211>   257
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941283H1

<400>   40376

gtgggttatg gtgcataaga gcatttcagg aatgttatcc aagtccatcc agcacgcagg   60

actgacctct tctactgcat gtaacgactg agactccgta gaggactacc acgacgttca   120

acactatgga ctcacagctt cccaccatct catgcaccca cttccgcaga gtcctcgact   180

ggaggacaaa tgatgacggg aaggcactct gcattgaaga tacagtaatc ccaatactcc   240

caacttcagt tcgaccg   257

<210>   40377
<211>   67
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941284H1

<400>   40377

gtttttgtta tttaaaaaaa aaaaaaaagg gtggtcgccg actatagaac tcggataccc   60

gggattt   67

<210>   40378
<211>   249
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941285H1

16047

<400>   40378

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tgaaggcagt ttttcctgtg gtcagttaaa tgaatatact acaagcgaaa tgctatatac   120

tgttgatata ttcgggtctt gtgaccatga cttcttggag ttgcttgacc tagtgacatc   180

gcagctctgg ctgaataaac atggaagtgg tagctaagat tagtaaggct aataaattga   240

gggtagtat   249

<210>   40379
<211>   252
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941287H1

<400>   40379

tagcggagtt atatggacag gtgatgaatt agtagacgga gtgcctgaag acgctgacat   60

gcttcggtca aagggcaaaa gattaatttg tgtcaccaat aactcaacaa agtctaggaa   120

gcaatatgga aagaagtatg aaacacttgg cctgaatgtc agcgaggagg agattttcgc   180

atcatccttt gcagctgctg catatctgaa gtccattgat gtcccaaaag ataaaaaggt   240

ttatgtcatc gg   252

<210>   40380
<211>   245
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941288H1

<400>   40380

acacttcact tcttcttcct ctcattcatt actctgatcc ggctgctgag atcttcttgg   60

ttctcgaatc gtacggccag gggtcctttg tctacctcac tcagcttccc aactttctct   120

ctctacttag agagtagctt ctctggaaca ccgagtatgg agtccaacgg tcatgcaaga   180

gtcaagagaa atgatattat taaagaaaat ggtcattccc atatgtcaaa tgttgatgat   240

gtact   245

16048

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<210>      40381
<211>      245
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941290H1

<400>      40381

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ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc   120

tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct   180

cgatgcatgc ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac   240

caaca                                                              245


<210>      40382
<211>      247
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941291H1

<400>      40382

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ctccgtacaa gggtgttcaa gccagatgct ggaacagaag cggatgggaa gttggggatc   120

gttctggtgc acccgtattc tattttgggt ggctgccagg gtctcctcaa aggaatcgct   180

tctggcttgg ctctcaatgg ttacaccgct gtcacctttg acatgagagg cgttggcaag   240

tccaccg                                                            247


<210>      40383
<211>      246
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941292H1

<400>      40383

cgcatatgca gaacttgcac ctgcattgtc tgatctgaat gttcttgttg agacctactt   60

tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcactgcata   120

tgggtttgat ttggtccgtg gaacccatac tcttgatttg atcaagggtg gatttcccag   180
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16049

tggaaaatac ctctttgctg gagtggttga tggaaggaac atctgggcca atgaccttgc   240

tgcttc   246

<210>   40384
<211>.   248
<212>   · DNA
<213>   Glycine max

<223>   Clone ID: 700941293H1

<400>   40384

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gagagaagaa gctgcttcac gagctggaat tgttcttgag gagaagaatt ggccgccttt   120

tttcccaata atccatcacg acattgctaa tgaaattcca atccatcttc aaaaattgca   180

atatgttgca tttactacac tgttaggatt agtgttgtgc cttttttgga atgttatagc   240

tgttactg   248

<210>   40385
<211>   247
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941294H1

<400>   40385

agtggctcca gctgaacttg aagcccttct tctcactcat cctaagatct ctgatgctgc   60

tgttgttcca atgaaggatg aagccgcggg agaggtacct gttgcatttg tggtcatatc   120

aaatggttat accgacacaa ccgaggatga aattaagcag tttatctcca aacaggtggt   180

gttttacaaa agaataaacc gagtattctt cattgatgca attcccaagt caccgtcagg   240

caaaatc   247

<210>   40386
<211>   249
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941295H1

<400>   40386

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cagagcattt   attgaagcaa   agtttggatt   atgataacta   caagtgcaaa   gggcatcttt     120

ctgtgctagt   tatgctatct   gtaatcggtt   tatagtatgt   ttcattggct   cttttggtat     180

tgcaagaaat   tttggttttg   ttcgtggtta   tcaacaagga   tacatttacc   agcagaagtt     240

tagtcttgt                                                                       249


<210>      40387
<211>      241
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941296H1

<400>      40387

gctttcact   gagttgtttt   tttggtatta   tttatttcaa   caggggaaa   gcgatctaga       60

acttgccaaa   cggtgttgga   atttgtgatc   tggggaatca   tgaatgctag   gagagatggt     120

cgtaacaaca   gagttgctct   ttttggtggt   attgaggagg   gtggcatcaa   agcatcgtct     180

ctttactcct   caacttcttc   ccatgaaatt   gatgaacatg   ataatgaaca   agcattggtt     240

g                                                                               241


<210>      40388
<211>      257
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941301H1

<400>      40388

gcttccagag   ctgtacttct   cgtgagcttc   aatgttcacg   tcgtcaccgt   ggttagctcc      60

acatatgtgc   cattgaaacc   acaccccaaa   actccaaaac   acccacctgt   cccaaagcca     120

ccttccccaa   agcaagcaag   ttgccccaaa   gacactatta   agtttggtgt   gtgtgctgct     180

gtgttaagtt   tgatcaacgt   gcaacttggg   caaccaccaa   agaccccatt   gtgcaacctc     240

attgagggtc   tcgctga                                                            257


<210>      40389
<211>      265
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941303H1

<400>   40389

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agaggaggct gaatttaaag ctaaaactaa agaacaagtt aatgctcctg aagatctgcc   120

tccccaacta ttatttattc atcagggaca gaaagacctg aaggaactac attggcacac   180

acagattcct ggaatgattg tatctaccgc tgaagatgga ttcaacgtcc ttatgccttc   240

aaatattcag agcacactgc catcg   265

<210>   40390
<211>   264
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941304H1

<400>   40390

tgagatcgtt gtcatcggtt cctgcatgac ccccgcggac tccattttca acgaatgcga   60

agagagtttg aagagcatct tgtcggagat aaggctgaat ttgaagacag gcaagtccac   120

gagaaaaccc attatctcgg aatccgaaca aagcaacttg gaagccggga tggtcaacag   180

aaacaagctc gggagaaaga cgaagttcgg gtacttagca cttgcggagc cgtggcctaa   240

ggtttcgggt tttgccaagg ttga   264

<210>   40391
<211>   265
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941305H1

<400>   40391

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cttggggaac atattgccct ggggagtatc ctagtcctcc ccctgaatat tcaacctgct   120

tgggtgatct gtacagtgtt gcttggatgg aagacagtga cagacacaat ttacgaacag   180

aaactctgca tcaacaatat aaattggtta aagagaggac tatatctgga gattcatact   240

16052

atggctctca cgtgatgcag tatgg   265

<210>   40392
<211>   261
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 700941306H1

<400>   40392

ctcgagcgat tcggctcaga gaaaaggaaa taataacgag agagctctag aggcgcttgc   60

gtaacggtaa ttgcgaaaga agatgcaacc aacatcgaac ggctctgact cgaaagcgac   120

ggagcagcgg acgnagccgc ctcagccagt ggccgtgccg ccgcagtgga tgccgatgca   180

atacccggcg gcggcgatgg taatgcagca ccacatgatg ccgcctcagc attacgcgtc   240

gccgcagtcc tacatggcct a   261

<210>   40393
<211>   264
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941307H1

<400>   40393

atcaatcgta cacaggaaat gcttctaagt tataacaatg gagtatgaaa gatggaccag   60

ggaaattact atttatacga acactacaaa aataccatca agtggttgag gaactttcat   120

tttcctaccc tttaccattc cttttatcta tcttgttttt gtgttttcct ttctttgata   180

tgttgagata agagcatgaa ggctagcaag atatgtaaga ttcatttttt tttatcccgt   240

tttgttgtag aagagatgtg aatt   264

<210>   40394
<211>   265
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941308H1

<400>   40394

16053

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cggaggtcat cgaattcgcg aagatgtcgc ggttcccgtt cttcaaccgt tcgaacacga      60

ttcactcgac gaaatcggaa tcctcgcaga aaccctacct cgtccaccac catctccaca     120

atcttgaccg gtccggttcg gtgaaccgct tctacggttc actggactcc atgaaatcct     180

caatccgcgg aaaaatggtg aagaagctct gcaccttatt cgaatcctcc aaaaaaccct     240

tgccagaacc agaatccgaa tctga                                           265
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ggctaaccaa ccctgacact ccttcttctc cgcttcctct tcgatcatcg cttcagaatg      60

ccgccgaagt tcgacccctc ccagatcgtc gacgtcttcg tacgcgtcac cggcggtgag     120

gtcggcgcgg cgagttccct cgccccgaag atcggtcccc tcggtctctc ccccaagaag     180

atcggagaag atatcgccaa ggaaaccgcc aaggactgga agggcctccg cgtcaccgtc     240

aagctcaccg tgcagaaccg tcag                                            264
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ggaagacaaa acattctcac tccgaacaaa atgtcgatta acagcgaatc tacgccgcca      60

ccgctgatcg gcaaaatcgg ccttacacc gtcttcatga cgccgccgtc tacacccaaa     120

ccctccgacg accaccccgt caccaccaag atcgcacctc cgccgcctca gattcccaaa     180

gccgttcctt cccccaaacc cgtctccgac cccgacgatt ccgtcttcgg cttcttcaga     240

aatgccgtta ccaaggtcca aa                                              262
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<213> Glycine max

<223> Clone ID: 700941312H1

<400> 40397

cttctcaacg tggaagtgtt ggtggtccct taaataaaag agaagcacag cggaagatag   60

ctcgctctct ttcagtacct gccaa   85

<210> 40398
<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700941319H1

<400> 40398

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gggtttgttg ccacttagta tgaaagaggg tgtgaagaga gtgtggagaa gatttggtgt   120

tgtggccatg gcggagtcta agagtactgt gcttgttacg ggagcgggtg gtcgcacagg   180

acaaatgaga nacaaaaaat ttagagagag gccaaaccaa tatgtggcta gaggtctggt   240

tagaacagat gatagcaaac aga   263

<210> 40399
<211> 103
<212> DNA
<213> Glycine max

<223> Clone ID: 700941320H1

<400> 40399

ccttgccatc tggaaggcga gtaggcctct gagcagtggt gaaggttggg agacaatgag   60

acgtgaattg tcggttttat acagtcgttt ctatgggatc cta   103

<210> 40400
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700941280H1

<400> 40400

16055

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gaatgttttg tttcttcata aatcatgatt gcgcagtaca gtgagcagct aaaggaggag      60

catgattatc ccatggcata cttctgtgtc cagctacgag cagtggctgc gcaatcatga     120

tttatgaaga aacaagatat acttttaatg aatgttttgt cttttttttg tcagtggaaa     180

tcaaccatgg taagggaatt gatgatgact tgtgaatatt tctttgcaag acatcggtca     240

tggaagaa                                                              248


<210>     40401
<211>     259
<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941250H1

<400>     40401

ctgtaggtac gtttggtgtc aatattggat gattataaac tggccagaca acagaaagag      60

gaagataaga gacgacatag ggaccttaag aagatgcaag atctactcct aaatcaaaag     120

gaagccatgt atggttctaa acctagtcca agaaaaaata acagctttag aaagactaat     180

agttaccgcg caaatggcaa tggatctatg cctcctacac cccgtcgtaa ctccctaagt     240

ggtggaacaa catctgaac                                                  259


<210>     40402
<211>     259
<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941251H1

<400>     40402

aaactcttca gcaattccat taactcaact aattcctcgt gtatcaccca tgccgagatc      60

gaatcggaat tctcccacca ccaccccacg gtggcgcgcc tcaacaacgg cgccttcggg     120

tgctgcccgg cttccgtgat cgccgtgcag cgcgagtggc agatgaagaa cctccggcaa     180

ccggaccact tctacttcaa cgacctcaag aagggactcc ttcactcccg caccatcatc     240

aagaacctcg tcaacgccg                                                  259


<210>     40403
<211>     256
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941254H1

<400>   40403

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ggaaaaggct cagatcaaca ttgtggtggt tggtcatgtg gaccctgagg aggcaaccac   120

cattaacgag ctgaagaagc ctgttgtgga gaaagaagct ccagggcatg ccatatgagg   180

gcatgcacgt acggcctcgg aggggaacca gaaaattatg ttaacaaaat aatctggaac   240

cctaatgtat cagtgt   256

<210>   40404
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941256H1

<400>   40404

tggagaagca ccacaagcat cttgagcacc ttggggaact tggtgctgcg gctgccggtg   60

cttatgcctt gcatgagaag catgaggcca agaaagaccc agagcatgct cacaggcaca   120

aggtagaaga ggagattgcg gcagcagcta ctgttggtgc tggtggtttt gtcttgcatg   180

aacaccatga gaaaaaggaa gttaagaaag aagatgagga agctcatgga aagaagcacc   240

accatctgtt tggctgaac   259

<210>   40405
<211>   255
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941257H1

<400>   40405

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tgggacaaca tggatgacct gtggatgctg gacgacgtcg ttgtgcccaa ccgtcactta   120

atttactaga agggagataa ttaattaatt aataaatggc gttttcttaa gttatagttt   180

tataaaacta tgttggtgta tgtgttctta gttttctgtt ttgtcttgtc ctctcgcttt   240

ggtaatttct gtttt   255

<210>   40406
<211>   256
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941258H1

<400>   40406

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tgattatcaa ggggacagaa tactatgatg gaaaagcaaa gaggtatgtt gattttccaa   180

tcactgatat tttgcaaatg atgggtcgtg ctggacggcc tcaatttgat caacatggga   240

aagctgtgat tcttgt   256

<210>   40407
<211>   254
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941259H1

<400>   40407

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cccacggcct ggagtcatta ttaacagtcc acacggaaat gatgtttaca agggagttcc   180

taaggattac gttggtgaag atgttactgt tgacaacttt tttgctgcta tacttggaaa   240

taagtcagct ctta   254

<210>   40408
<211>   253
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941260H1

<400>   40408

tctggattgt ggaatttttc gccccttggt gtggacattg taaaaaatta gctccagagt   60

16058

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ggaagaaagc atccaataat ttgaaaggga aggttaaact gggccatgtt gactgtgatg    120

ctgaaaagtc tctaatgagc aggttcaaag ttcaaggatt ccctacaatc ttggtatttg    180

gtgctgataa agatagtcct attccttatg aaggcgcaag aactgcctcg gctattgaat    240

catttgcatt aga                                                       253


<210>        40409
<211>        214
<212>        DNA
<213>        Glycine max

<223>        Clone ID: 700941261H1

<400>        40409

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aagaccttct cttacgactc cttccacttc tccacacact gtagtcacca ccaccttcag    180

caaacctcaa ctgggacgct ccacgtggca gtat                                214


<210>        40410
<211>        254
<212>        DNA
<213>        Glycine max

<223>        Clone ID: 700941262H1

<400>        40410

ggaaaagggc ttttggaagt gatatcacaa acatcagttt tgagaggaat aacgtggaat     60

tgttcacgaa tggcgactca aatccgaatc ctaagaagcc aagaatggaa tatggcagtg    120

ggctgggtca ggcagatgaa aacaatttaa aacaaggcac aaaacaagct tcaaagaact    180

atcaatttgg tcctttcgct ccggcttgtg tgcccaaagt tggagcctct gagaataata    240

atctgaagca ggtg                                                      254


<210>        40411
<211>        238
<212>        DNA
<213>        Glycine max

<223>        Clone ID: 700941263H1
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<400>   40411

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ctcgaagaag cagaggagga ggctcttgga aaacctcgac aaggtcctaa tgcgtggcaa   180

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<223>   Clone ID: 700941264H1

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tactaacact tcatctatca ttatcagggg taatttcaac aacattcact ctagttaaca   180

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<223>   Clone ID: 700941266H1

<400>   40413

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ccccaccttt ggagttcaag ggtatgagca aggaggagga agactcattg ctagggcaag   180

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agctgcgcat agccg   255

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<223>      Clone ID: 700941267H1

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atgttttgct tagaatgttg gtgttccatt cgagcttcac ctggaagcac tggattgggt   180

tgattgtgac ttctttggca tatgttattc cctatcaaca gctcgcgaag atggcaaccc   240

ctgcttacgc tgaa                                                      254


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<223>      Clone ID: 700941268H1

<400>      40415

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aaggcctata ttgctgagtt ccattcaacc ttgctctttg tttttgccgg tgttggttca   180

gccatagcct atggtaagtt gacatcagat gcagcacttg atcctgctgg gttactggca   240

gttgctattt gcc                                                       253


<210>      40416
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<223>      Clone ID: 700941269H1

<400>      40416

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accagttgtg gtgggaggag ttgtagaatc aagtatctgg ctcctttcca catagcgtgt   120

tttatttact cggctcataa tttgacttta ataaagctgg tgttttatat tgttctttgt   180

tatgctatag tgtggatcca acattggaat atgccaaaaa aaaaaaaaaa aaaaaagag    240
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16061

aatgaaag 248

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<223>        Clone ID: 700941270H1

<400>        40417

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ccccgccgcc gccgacacct tctctggcta ccccgacttc tcctccttcc cctccgacga   180

cgtcttcgtc gattacgccg acaccgcggc gtcgccggag atcttcggat tcagcgatcc   240

cggtccagtt tactc                                                    255


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<223>        Clone ID: 700941271H1

<400>        40418

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gttctgttca atttcagcaa caacaacttc gacatggggtt cttcttggcc cgccaccagc   180

gccgatcagg gcgaaaacga cccttcctcg ctctggctca gcgatcccga agttagggat   240

tccattaaca ct                                                       252


<210>        40419
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<223>        Clone ID: 700941272H1

<400>        40419

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gaagtggatt ctgcatgact ggagcgacga gcactgcgtc aagatcttga agaactgcag   180

gaaggcaata ccagagaaaa cagggaaagt gatcatcgtt gatcacgtgc tgcggcccga   240

aggcaacgaa c   251

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<223>   Clone ID: 700941273H1

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ttcaccttgc cttaaggaaa atccttgggg caagtttccc ttcactggat ttgttgccat   180

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acattttaa   249

<210>   40421
<211>   250
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 700941274H1

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ggtcctgcag gtgaccanca tgaaactcaa ggttgatctt gagtgtgata aatgctacaa   120

gaaggttaag aaacttctcg gcaagtatcc tcagtgattc gggaccagaa gttcgatgag   180

aaggataaca ttgtgttcat cacagtggtg tgttgcagtc cagagaagat aagagacaag   240

ctttgctaca   250

<210>   40422
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16063

<213>   Glycine max

<223>   Clone ID: 700941275H1

<400>   40422

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ttggagtgca cgaaagcgat gccaaaaaaa ccaaacaatc attaacaaca gccctaaccc   120

ccccgacgtc tttcaaaact gattcggagc aattaatgta aaatctatgg acatcaacga   180

ggaatcttca ttctctctcc gtttttgttt gcatcattaa tagacccaaa tggacccgaa   240

cccgacagcc t   251

<210>   40423
<211>   83
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<213>   Glycine max

<223>   Clone ID: 700941276H1

<400>   40423

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atggcacaat attttcactg tag   83

<210>   40424
<211>   249
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<213>   Glycine max

<223>   Clone ID: 700941277H1

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tcaagggctg gtgatgaaac taagaggccc cgtatttgca acagccttta atcctctttg   180

catgatcatg gttgctgctt tgggctccct tatattagga gaactgctcc atctcggaag   240

tatcattgg   249

<210>   40425
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16064

<213>   Glycine max

<223>   Clone ID: 700941278H1

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taattgttgg gactcttatt gacaacacac ttgaaggcaa acaaacagct gtggacagag   180

gacttccatg gtggggtcct ttccagaata ggaaaggaga tgttagaaac gacgagttct   240

accgtcttcc t   251

<210>   40426
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941247H1

<400>   40426

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caacagaggc tgagctccaa gacatgatca atgaagtaga tgctgatggg aatggcacca   120

ttgacttccc tgagttcttg aacctcatgg ctagaaagat gaaggacact gattctgagg   180

aggagctgaa agaggcgttc cgagtgtttg acaaggacca gaatgggttc atttctgctg   240

ctgagctccg ccatgtgat   259

<210>   40427
<211>   263
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941214H1

<400>   40427

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tccatcaaat gctcaactga gttcaacctt ctactccagc acatgcccca acgtgtcttc   180

cattttgcgc agtgttgttc agcaggctct gcaatctgat cctcgaattg ctgcgagcct   240

aactcgtcgt cattttcatg agt   263

<210>   40428
<211>   281
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941215H1

<400>   40428

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acaactctca gctcctccaa ttccttccca acaccaccac caccaccacc accaccaaca   180

cccccttctt ccatgctgca cctcagactc acaccatgca ccacccctc tctactaatt   240

cctccaatag tactaattac tacgcctgcc acctctccca a   281

<210>   40429
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<212>   DNA
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<223>   Clone ID: 700941218H1

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cttcggggag ttgaaaataa gcgtagatcc ggggattccc gatataggtc aacctcttcg   120

aactgctgct gaatccacgg gcaggcaaga gacaacctgg tgaactgaaa catcttagta   180

gccagaggaa aagaaagcaa aagcgattcc cgtagtagcg gcgagcgaaa tgggagcagc   240

ctaaaccgtg aaaacggggt tgtggga   267

<210>   40430
<211>   264
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941219H1

<400>   40430

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ggtgttggcc ctctatctca ggattgggaa cccgtcgtcc tccgcaagaa ggctcccacc   120

gccgccgcca agaaggacga gaaagccgtc aacgccgccc ggcgctccgg cgcggaaatt   180

gaaaccctaa aaaagtataa tgctgggaca aataaagcag catctagcag cacttcattg   240

aacactaaga ggctggatga tgat   264

<210>   40431
<211>   263
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941220H1

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tcatgggagg agcagctaca gtggtttgtc tgcaacagtt gaaatcaatc cttggcctag   180

agcattttac ccacgaggcc gatctcgtgt cagttatgcg ctctgttttt tcccaaacgc   240

atgagtggag gtgggaaagc gct   263

<210>   40432
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<212>   DNA
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<223>   Clone ID: 700941222H1

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atatgattct tttattactc tcacgccaat aggtacgttc atcttcttcc tttcaccaaa   180

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cagatctgat ggttttttcgt gttt   264

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<211>   265
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941224H1

<400>   40433

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cttcatttca ggggagagct atggaggtca ctatgttcca caacttgcac aacttattgt   180

tcaaaccaag accaacttca atctcaaggg aatagcaata gggaatcctc ttcttgagtt   240

taatactgat ttcaactcaa gatct   265

<210>   40434
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<212>   DNA
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<223>   Clone ID: 700941225H1

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agggtgtgac ctgagatcaa catgttgcgg aggcttctct cttctcacct caaaacccta   180

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ctctctcgct cctcccgcta cttct   265

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<212>   DNA
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<223>   Clone ID: 700941226H1

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aaaaccagga aacacagcac taacagaaca agacaaatta cctttccaaa tgcagaagga   180

tttctgatcg ataggtgaac cagttatagt ctgaataact tcaaacaaca tgctctgcgg   240

agtgctcctg agctcttgta ca   262

<210>   40436
<211>   263
<212>   DNA
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<223>   Clone ID: 700941228H1

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cgtcaagaac atgatcaccg gcgccgccca gatggacggc gccatccttg tcgtctccgg   180

cgccgacggc cccatgcccc aaaccaaaga acacatcctc ttagcctaac aagtcggtgt   240

ccccaacatg gtcgtcttcc tca   263

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<223>   Clone ID: 700941229H1

<400>   40437

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atttcattcg tgcaaagtat gacgagaaga gatggattcc aagagatggg aattcaaaaa   120

caccttctgg attgagggaa gagaaaagtc cttcacattg gcagaggcct gtggagcgaa   180

gtggttatgc tgctgtttct gaaaataaat ttgaggaaag gaagaaaatc caaccatcaa   240

atgcaatttc taccacaag   259

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<212>   DNA
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<223>   Clone ID: 700941230H1

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16069

atatataaag aaaattatca gactctttc ttcaccttgc ttctttggag gttccttagt   180

cgtccttgaa ttctaaggat tgtttctgat atccctaaca tcttggtgct ttcattgagc   240

acatgactga atcaacgcac   260

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<223>   Clone ID: 700941231H1

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gggcccactc ccgcgcttcc tccagacgtg gcttcgcaat tacctcggcg gcgttctcct   180

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tctccccaaa gatgctattc   260

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<212>   DNA
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<223>   Clone ID: 700941234H1

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gatatgggca atccttagac ccaccaaacc caccttcacg ctccaagacg tcaccgtcta   180

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gcgtaacccg aacgaccg   258

<210>   40441
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<223>   Clone ID: 700941235H1

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cattcattct ttcaattgta acatataata aaaaattggt tgtttcgcca gcaaaaacgc   180

tgacaccaag gccagtaggg ccgcgcgctg gcgatccacg ggcatcgttg ctttgcgcga   240

ttccaaattt aagacgtttc   260

<210>   40442
<211>   263
<212>   DNA
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<223>   Clone ID: 700941236H1

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ctctggggat caattgacaa aggatgatat caaagtgtat gcagctgttg tagaaaagcc   180

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aagcttcact gggcacgctc aag   263

<210>   40443
<211>   116
<212>   DNA
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<223>   Clone ID: 700941237H1

<400>   40443

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atgatctcac tctcccgttc tctctcatgt gttatcgtta tgtctcattc agaatc   116

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<223>   Clone ID: 700941239H1

16071

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ataggatata attttttttcc ttggtttact attttttacca ttaacccctta attgtcactc   180

cccttatgtt ttgcccgttt agtattgtaa aacaaattat agcaaaatat ttttttcaac   240

acttttattg ggcagatttt t   261

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<223>   Clone ID: 700941240H1

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ctcttcgatc gctttaaggc ttcgtttatc aggaacgact ttgatacctg ttccaatctc   180

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acacctaatg cagttcatga at   262

<210>   40446
<211>   259
<212>   DNA
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<223>   Clone ID: 700941242H1

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aaaaacctgt tgaggtcaaa gaagttgaaa acccagagga ggctgcttct gaggaacccg   180

ttgctgagaa aactgtggaa gaaacaactc ctgttgcccc tgcagttgct caggaaagca   240

gtgaagtcac ccctcctcc   259

<210>   40447

<211>   254
<212>   DNA
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<223>   Clone ID: 700941243H1

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aaatgaaata taggtttttg aagtaccttt ttttttttctc tctttgttaa accctaacct   180

gtgggatgtt gggtttttgaa aggagtggag ccttacagaa ttttggccag gctctgctgc   240

atgtattttg ttcc   254

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<223>   Clone ID: 700941244H1

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actcataccg ttggtaagaa ggatgctgct ggccatgttg cttaatttag ttcttgcttc   180

ctttgtcttc ttgagtttta tcagagacgg gagtgcaggg atcactagct ctttcattcg   240

gtcagagtgg ccggcagttg acatccccct tga   273

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<223>   Clone ID: 700941245H1

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tatgatatca ccactgagga ttatgttcaa ttcctatgtt ccatgggtca cagtagtgca   180

16073

tccattagca aagtgaccaa gaccaccaca agttgtaaga aaggaaaaca ccaaacactg   240

aacctcaacc ttccttcc   258

<210>   40450
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<400>   40450

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ctgaagctga agttgaagca aatgcaaaaa ggatcgaaga agtggtggcg gaagctgaga   120

aggcccagag tggtgcagaa gacaagattt cccaatcggt ttcgttcaag gaggagacca   180

acgtggttcg cgacctcccc gaggcgcaga ggaaagccct tgatgagctc aagaggcttg   240

ttcaagaagc gctcaacaac catgagctaa c   271

<210>   40451
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941212H1

<400>   40451

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gattcaacca atcaacggtg atcccttcat tggaagcctt gaaaccccag ttacatccag   180

cccccttgatt gcatggtact tatcgaacct ccccgcatac aggaccgcag tgagcccact   240

actaagaggg atcgaggtgg gcc   263

<210>   40452
<211>   253
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941177H1

<400>   40452

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gccggtggtg gcaaagaagg tatggaacat ggtacgcgtg ttgttcttca tgctgagaaa   120

gggcatagcc aagagcaaaa taatggtgga gttccatctc atgctcaaac gtggcaaact   180

tgcacttaac aacctcatcc tcaaccatca ctactacaac atgcagacct ccttcttcac   240

atgccgatcc cac                                                      253
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<210>     40453
<211>     251
<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941178H1

<400>     40453
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gatcccaata tcaagcttct tccgggtcaa ggagagccat ggaaaaccc gtgaagatat    120

tgacgacttg tgggtagact taattacctc actgtcacca aaccagatat catgtatgca    180

gttagtgtgt taagtcaatt tctgaatgct ccttgtgatt gccattggaa tgctgtcatg    240

cgcattcttc g                                                        251
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<210>     40454
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<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941179H1

<400>     40454
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gtctgcacta cagtccttag agtgaccaag aaagaggaag agtttgtatt caccgatata   120

tttgaaaggc ctgttccttc tttgttaaga ggatacagtg ctcctattcg tctggaatct   180

gatctcactg atagcgacct gtttttctta ctagccaatg attccgattc attcaaccgt   240

tgggaggctg g                                                        251
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<210>     40455
<211>     255
<212>     DNA
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<213>       Glycine max

<223>       Clone ID: 700941180H1

<400>       40455

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cctgcttgat gccatggtta tggtcatagt caaagttctt agtccagatc aagcttcatg   120

tgcaattgat ctcccaattc taggtctatc tgattgggac tatggctgtc actatttgtc   180

ttgaaagatc aaacatgttc aagtacttgg ggaaattgca tctcttggaa aagtagagga   240

ccagaggact tactt                                                    255


<210>       40456
<211>       247
<212>       DNA
<213>       Glycine max

<223>       Clone ID: 700941181H1

<400>       40456

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ggcccccacc tcccgccaat gtcagtgttg aaattgatgc ttcgcttggg gattctgatg   180

gccccaaaga tactgctttg aagaaaaggg ctagatgtga ttcaagtact gcttcaagct   240

ctaaagc                                                             247


<210>       40457
<211>       248
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: 700941182H1

<400>       40457

aaaaggaaat aatacacttt tgttgccttt attctacact ctcttgctgt ttnctggagt    60

gtcagcaggg aatggaagta acgatgacac taaccgtaaa gaagtttata tcgtctatat   120

gggagccgcg gattcaacaa atgcttatct tcggaatgac cacgttcaga ttctgaattc   180

agtgctaaaa agaaatgaga atgccatagt acggaactac aagcatggtt tctcaggatt   240
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16076

cgcagctc   248

<210>   40458
<211>   244
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941184H1

<400>   40458

ctggtgtcat ttctgggctc aacgtgatgc gaattatcaa cgagcctacc gcggctgcca   60

ttgcttatgg gctcgacaaa aaggccacta gctctgggga gaagaatgtt ctcatttttg   120

atctcggtgg tgggactttt gatgtctctc ttctcaccat cgaggagggt attttcgagg   180

tgaaggccac tgctggtgat actcacttgg gaggtgaaga ttttgataac agaatggtga   240

acca   244

<210>   40459
<211>   250
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941186H1

<400>   40459

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ttctttctag tgctactcac caaggcaaac tcaaccaaca ccgtttcttt caccgtcagc   120

aagttttccc cacgccaaca aaaccttatc ttccaaggag atgctgctat ctcaccctcc   180

ggggtgttac gactcaccaa ggttgacagc aacgacgtgc caacgacggg atccctagga   240

cgtgcccttt   250

<210>   40460
<211>   248
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941187H1

<400>   40460

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caaaatggat gctactacac ccaagtattc caaggccagg tatgatgaaa ttgtgaagga   180

agtctcttcc tacttgaaga aagtaggata caaccctgac aagattcctt ttgttcctat   240

ctctggtt   248

<210>   40461
<211>   244
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941188H1

<400>   40461

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ctttgaccaa ccaaattatg atgcatacat ggcagacgtg gaagtaagag cagcacacaa   120

cgtgctggaa gcatgagctc agacagaaac tatagataaa gtgattttca cttcctcagc   180

taccgcagtt gtttggaggg aagatcgcaa gaccatggaa ctagatctag atgagagaca   240

tgga   244

<210>   40462
<211>   141
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941189H1

<400>   40462

aatgattgca agtacttaaa gttgatttca ctatcttttc ttgtgttgaa ttgtcaatat   60

tgaaggctag ctttggcccc agatagagga aaagaaaaaa taagacaaag acaaaccgtg   120

caatgaataa gacaaagctg t   141

<210>   40463
<211>   249
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941190H1

<400>   40463

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aaggagctca tgaactcgga taggggaaaa gagattagac agaggatttt caaaatgaaa     60

aacagtgcca ccgaagcaat gactgaaggt ggatcctcag tagttgcatt gaataggttg    120

gtagaaatat ggagggagca ttaatggtat agaacttgag aatgagagaa tgatttagaa    180

atgtgcatga gattcagtat aagaactgaa tttctttctc aataaagaat gagcacgagt    240

taagttgtt                                                            249


<210>      40464
<211>      250
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941191H1

<400>      40464

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tgcacagtaa cacaagttga ggaactcaaa tcagtaatct cattactccc agtttgggca    180

tcattgattg cctttgcaac tgtgtacggt caaatgagca ccatgtttgt tctccaaggc    240

aacacaatgg                                                           250


<210>      40465
<211>      242
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941192H1

<400>      40465

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gaaaacttta ttataataac ttttaagtgt gttgtggacc attttttctt cttctgaact    180

tccaattctg tttcacttgg cttcgcaaaa gataactgac tcgagtataa gttgcttgtt    240

tt                                                                   242


<210>      40466
<211>      254
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16079

<212> DNA
<213> Glycine max

<223> Clone ID: 700941196H1

<400> 40466

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caagattggg gagacccttc atgtgggagg gcacaagaag gaggaggagc ataagggtga 120

gcaccatgct ggagaataca aaggggagca ccatggtgaa cacagtagtg agtacaaagg 180

agagcatcat ggtgaacaca aagctggaga gtaccatggt gagcacaagc cagagcacaa 240

agaggggtcc tagc 254

<210> 40467
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700941202H1

<400> 40467

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ctgatttgta tttccccact aggtattctc aatccacatt ggggcaattt aaatcctgtt 120

tttggaagca atggctgaca tactggagga gtccagatta taatcttgtc agatattttt 180

tcacattggc ttgtgccctc atgatatggga cagtattttg gagaattggc aaaaacaggg 240

agagctcagc tgacctgaca atgattat 268

<210> 40468
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700941203H1

<400> 40468

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cagcttcatt caccatggct gagcaaaccg agaaggcttt tttgaaacaa ccaaaagtgt 120

ttctcagctc gaagaaaact gggaagggaa agagacccgg aaagggtggg aaccgctttt 180

ggaaatccat tgggcttgga tttaagactc ccagggaagc catcgaagga acctacattg 240

16080

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acaagaagtg ccccttcact ggcaatg                                    267


<210>      40469
<211>      264
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941204H1

<400>      40469

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atggtgggcc cggggccaca ctcgggaatt accaacagca agggtttgag gttgagtatg   120

acttggaaga gaagcgcgtg gggttcgcaa ggaggcagtg cgcgttgctt tgggagagac   180

tcaatcgcga caaaaactag cgtaaggtat cgtgcactga acatactaga ttccctcccc   240

tgctttctgt cacgggtcgg gttc                                        264


<210>      40470
<211>      267
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941206H1

<400>      40470

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ggagagagtg tctggtctgt ttggttcctt gtcagtcctt ccttcaacag gcagaactag   120

aggtacacta catcgacaga gtagtgaaat tgaaaattcc agcaatcctc caaagcttcg   180

caggaatgcc tctactgcat gtgatacgat tagcacttcc caatatgctc ctttgaagtg   240

cacaagcggc ttctgttttg atgaaaa                                     267


<210>      40471
<211>      257
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941207H1

<400>      40471

gtggtttggg cagtccaaca aacaggcccg agtggagaag caagtggcga atacgacgtc    60
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gtggggggtag cgaacctatt tccgaagcaa gatcgtggac gtcgttgggg ggtcagacag 120

cgcaattgaa agctcagaag cattgttccg ataaatcttc gcaggaaaac aaaacaaaag 180

ggaaaggatg attagcattc tgagccagcg gtggatttgg gttgggaata ggaacggctt 240

ctgggagctt cgttggg 257

<210>   40472
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941208H1

<400>   40472

ctgagattgg ttgggtgaag ctgaacgtgg atggttcacg cgaaccatac aaaagttcct 60

ccgctggttg tggtggtgtt ctgagggacg catcagcaaa gtggctccgt ggctttgcta 120

aaaaactgaa ccctacttat gcagtgcacc agacagagtt agaagccatt ctcacgggct 180

tgaaggtggc ttcagagatg aatgttaaga aactaattgt ggagtcagac agtgactctg 240

tggtgagcat ggtggagaa 259

<210>   40473
<211>   266
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941209H1

<400>   40473

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tccgaagctg cttttaatat cgtactggcc ttcgattgtt ctcctctta atacatactg 120

ttctctcttc gatttgaggg aacagtacaa gagtctgagc atcggttaac ccaactgcac 180

aggtagtctc caaataatgg agcctcatga tgagactgga tgccaggctc ctgaacgccc 240

cattctttgc attaataatt gtggct 266

<210>   40474
<211>   266
<212>   DNA
<213>   Glycine max

16082

<223>   Clone ID: 700941210H1

<400>   40474

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tgttcctgtg gttttcgttt ttgacctaca attctagttg tgtttatagt cgatcgaatg   180

aaatgatagt aagaaattat cgcatcaaaa aaaaaaaaa aaaaaaaaa aaaaagaaa   240

aaaaaaaag agaaaaaaag aggggc   266

<210>   40475
<211>   260
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941211H1

<400>   40475

gcgattttcg attctcttct ctgcaactat gcctaaccct aaggtcttct tcgacatgac   60

catcggcggt caacctgccg gccgcatcgt gatggagctc tacgccgacg tgactccgag   120

caccgccgag aacttccgcg cgctctgcac cggcgagaag ggcgccgggc ggagcggcaa   180

gcccctccac tacaaaggct cgtccttcca ccgcgtgatc ccgaacttca tgtgccaggg   240

cggcgacttc accgccggaa   260

<210>   40476
<211>   251
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941176H1

<400>   40476

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cattcgatct tttcactatc ccataggcac tatgtcccat gtgcgagcct cccttgagaa   180

gcaggctgta gttcccattc ataatgccgg atggaactct aaaagtaggc ttttcatcca   240

gcatttggca t   251

<210>   40477
<211>   257
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941145H1

<400>   40477

cacccacaag tcatcaaact tcgattgagt ttcaaagaga tcagtggtag tgtggtacat   60

tgtgttgatc aaggatggaa caaaagaagt ttgtggcact attaatggtg gtggtggtga   120

tggcttcttc tatgtggaaa ggatccaaag gtcttagtct ctgtaacatg gatgaagatg   180

gattggaggc ttgcaagccc tcagtgactc agccaaaccc agttgatcca tcccctgatt   240

gctgcaaggc tctggat   257

<210>   40478
<211>   258
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941146H1

<400>   40478

gagatagtgg cggggtagtg acattacagt gtgggcataa aattttcaaa gtcgaagcga   60

gaacttgcca tttcgagggt tttagggtta gggttttctc aaattgcaag aacatgggtt   120

tcaacattca accctatggg attcagtcca tgctcaagga aggccataag cacctttctg   180

gcctcgatga agcggttctc aagaacatcg acgcctgcaa acaactttcc actatcactc   240

gaactttcct cggtccca   258

<210>   40479
<211>   258
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941147H1

<400>   40479

ctaaacccta aacaactctt tctcttcttc cttcgctcgt tgttctccct cgcgtagatc   60

gacaatggcg gagacagaga cgtttgcttt ccaggctgag atcaaccagc tcctcagtct   120

catcatcaac accttctact ccaacaagga gattttcctt cgtgaactca tcagcaacgc   180

ctccgatgct ttggacaaga ttcgatttga gagtttgaca gataagagca agctcgatgc   240

tcagccagag ttgttcat   258

<210>   40480
<211>   253
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941148H1

<400>   40480

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gttagatctt cttgtgtatg tactgctatt gctcaaggca gaaggatcta tagttccatt   120

gattttggtc gagaatgcag aatcaaaagg agctgtttgt ttggatggaa gtccccaagc   180

ttaccacttt gataaggggt ttggggaagg tattaatagc tggattgttc acattgagag   240

aagaagatgg tgc   253

<210>   40481
<211>   250
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941149H1

<400>   40481

ggagggttga ctaggttttt ccgcaatctg tttggttgct tcagaggaag tagtactcag   60

cgttctgctt ctagtagaga gtctatgagg gcgagttcct ctcgttctag tactatggat   120

ccttcgttgc ggtctcggag gacttggtct atggatgtaa acagtgggat gagagcgtgg   180

tagtagtagt aataggatcg atgactgatg agggtaaaag gctaaaaatc tcaactttgt   240

ttctgggttc   250

<210>   40482
<211>   253
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941150H1

16085

<400>   40482

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catccttaga gcagcagcta tcaaggctct tggatccttc aggagcaacg cttagttaat    60

taatcaatta agctagctac cttgattaat ttgccaacaa gggctatgca tggtgtttcc   120

cccgaagaat aataatttct atgttgagga gtgctagtga tctgtctatg cagttcccta   180

atttaggctt tttcgtcttt tcctctcatc agctacagtt gttgggggtg tttggaagag   240

aaggccaaaa cca                                                      253
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<210>   40483
<211>   244
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941151H1

<400>   40483

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tgtttgccat ttccttggaa gcaaggccat tttatgggta cccaatttat ctgtggacac   120

tgcctatcag accaacattg ttgcttaatt agtccatgca tcttgagcac catgagaatg   180

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ctag                                                                244
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<210>   40484
<211>   250
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941152H1

<400>   40484

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tctctcgagg tttcaaggat cagatctatg atatttttca gctgctgcca cctaagatcc   120

aggttggggt tttctctgcc acaatgcctc ctgaagccct ggaaatcaca aggaagttta   180

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aatttttgt                                                           250
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<210>   40485
<211>   251
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941153H1

<400>   40485

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gtcgttggga gcgaacaagt tccccgagag acagccgatt gggacggcgg cgcatagcca   120

agacgacggc aaggactacc aggagccggc gccggcgccg ctggttgacc cgacggagtt   180

tacgtcatgg tcgttttaca gagcagggat agcagagttt gtggccactt ttctgtttct   240

ctacatcacc g   251

<210>   40486
<211>   254
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941154H1

<400>   40486

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tgccaattat ccactgtcta ctcaaaccca attgttagtt cctatccaat cttagttact   120

cctttgctac aacaggaacc agaaagttca agtctttcca gctcaaggct ggattttggg   180

aatcaattaa atctgggttg atgaagaata actccatgca agtcattgat ccaccctctg   240

cagatgaaga agac   254

<210>   40487
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941155H1

<400>   40487

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gaacctcctt tgattccgat tcgcatccac cttccaccgc ctccacctcg aggaagaggc   180

16087

tttccgactc ctcctccgat tccaagatcc agttccctct ccaacacgct ttcggcgact   240

ccgatttctc cga   253

<210>   40488
<211>   253
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941156H1

<400>   40488

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ctctctgact cactccacaa taagtgtcga ttttttccta aataagtgat agtgtagtta   120

cacctttttt tgtgtgttta ccacttttga gtgccacaga gttctgagtt tcataggaga   180

aaaaaaatga cagaagaaca aaccaaaact gttgagtcag aatcagtaac accaccacct   240

gctgctgctg ctc   253

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<223>   Clone ID: 700941157H1

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gctgaagact gtgcatttta tctcaaaact gggacttgca aatttggatt caattgcaaa   120

ttcaatcatc cgcttaggag gaaaaaccag gctaaaaaag agaatgcggg agaaagagaa   180

gaacaggcag aaagatcagg ccagatggaa tgcaagtatt atttaaggtc tgggggggtgt   240

aagttcgg   248

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<223>   Clone ID: 700941158H1

<400>   40490

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atttgatttc acggttataa tgaaaaaaat atattacact gttcatgtgg tgattctaca    180

gcaaaattat gtgcaatatg gggttgtagg catttgcaag gtgtttgcaa gtgttttttt    240

aggcattctg ct                                                         252


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<223>      Clone ID: 700941160H1

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caagacacgg ttgctgttgt gaagaagaat atagagacag cgcaaggtgc tgatgtttac    180

cctgctgcgc aacaaatgct tattcatcag gggaaggtgc ttaacgatgc cacaaccctt    240

gaggaaaata aagtt                                                      255


<210>      40492
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<223>      Clone ID: 700941161H1

<400>      40492

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tggagtcaaa ccaatgccta agaaggaact tagaagtaca cctgctatat ctcacccaaa    180

gacgttgaaa ttgccaaaga attttgatgc gaggacagct tggtcgcagt gtagcactat    240

tggaagaatt ctagat                                                     256


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<212> DNA
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<223> Clone ID: 700941162H1

<400> 40493

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cttcgcatca agaatgggtt caggtgattg gtttaagaca ataattagct taagaaaatc   120

aaaacaaggt agatcaaaga aagcaaaggg tatcttagct caagagaaac taaatgcatc   180

aaagtcaaac agctatccag gaaaagagtc tggtggttta gcaaatggta ctaaaagtga   240

aaaccttgtg tcagc   255

<210> 40494
<211> 254
<212> DNA
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<223> Clone ID: 700941163H1

<400> 40494

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cggtgtagat cagaagcttc aaggtctgtg gagttgtcaa gttcaccata cacagcaagg   120

gatcaaatgt tttcaactgg gattgttgcc ctttagcgtt taatttctgt cactgtagta   180

gagactcata tatacattga agtttgaatt cacatcatat aaggctatac tttgtgaatg   240

aaattaagac acct   254

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<212> DNA
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<223> Clone ID: 700941166H1

<400> 40495

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gcggaaatgc ttctgatttg gtagtagtcc gttggagatt cggtcatggc taggcgtcat   180

ggatgggagc tcccctttca cacttttcag gtcgcagcta taactgtatt tttcttgcta   240

16090

tctatagca   249


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<223>        Clone ID: 700941168H1

<400>        40496
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ccacgagaac cgtcatgtgt aagccattat gcttcaacgt agtgtgacca aaggacttga   120

aatttgattt cacggttata atgaaaaaaa tatattacac tgttcatgtg gtgattctac   180

agcaaaatta tgtgcaatat ggggttgtag gcatttgcaa ggtgtttgca agtgtttttt   240

taggcatt   248


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<212>        DNA
<213>        Glycine max

<223>        Clone ID: 700941169H1

<400>        40497
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atcgactaca ccaaatccct cttcctcgag ggcttcctgg atggtcagtt tctgcaactt   120

cagcagcttc aggatgagaa caaccctgac tttgtggtcg aagttgtctc tctcttcttt   180

gaagattctg aaaggcttct caaagatctc acctttgccc tagatcagaa tggcgttgac   240

ttc   243


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<210>        40498
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<223>        Clone ID: 700941170H1

<400>        40498
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aggctatcct cgaaacatgt cttcggcagc atgctactct atctcaaggt gacattttaa 120

ctgtaaacta tggagaactt gcttacaaat taagggtcct tgagttaaaa ccttcttcaa 180

gcgtatctgt tttagaaaca gatattgaag ttgacatagt tgatcctgat acatcttcag 240

aaaagacaga t 251

<210>   40499
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<223>   Clone ID: 700941173H1

<400>   40499

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tcagataatc accaacgtta ttcgcgattc acgcaaacca ttgcatcctc attatatctt 180

agggataact gttactcggc ttgcaatccc attatatatt tttggttgcc caaacaactt 240

catgcgca 248

<210>   40500
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<223>   Clone ID: 700941175H1

<400>   40500

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gtactttcga tgactctttt ggtgttgcct ctcttaaggc ttatttggca gagttccatg 120

caactctgat tttcgtgttc gctggtgttg gttcagccat cgcttacaac gagcttacaa 180

aagatgcagc cttggatcca acggggctgg tggcagtagc tgtggcccat gcatttgcac 240

tgtttgtag 249

<210>   40501
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16092

<223>   Clone ID: 700941144H1

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ataatcaaga tgacaacaga tactgtgctg ggcgaggcgc tcacattaat cttaaacgtg   180

cagaacgcgc tagaataact ataagcaaaa ttccagctat ggttgacaat cttataaaca   240

aaacactagc ctggga   256

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<223>   Clone ID: 700941113H1

<400>   40502

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caacccatgc tgctttaccc cctgaagttt actggaagtc ggtgcttcct actacgccaa   180

tgccaaaagc catcactgat atcctttact ctgattgggt ggaagagaaa agcagctcag   240

tgcatgttgg aggtggagg   259

<210>   40503
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<212>   DNA
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<223>   Clone ID: 700941114H1

<400>   40503

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agagaataga tagaggatga tggtgagcac atcctctgtt tccattccca gtt   113

<210>   40504
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<223>　　　Clone ID: 700941115H1

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agctatgagc ttcctgatgg acaagttatc acaattgggg cagagagatt ccgttgccca　180

gaagttcttt tccagccatc tatgattgga atggaagctg ctggaattca tgagaccacc　240

tacaatt　　　　　　　　　　　　　　　　　　　　　　　　　　　247

<210>　　　40505
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<223>　　　Clone ID: 700941116H1

<400>　　　40505

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aacaagcttc tcctaaaccc accatgcttc ccctccaaac ccctaatgtt caagatcaca　180

ctcagcacca acaaccacca aggaccaatg ccacccttc aacttcttct gccgttgttt　240

atagccaaaa gggtcattct a　　　　　　　　　　　　　　　　　　261

<210>　　　40506
<211>　　　225
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<223>　　　Clone ID: 700941117H1

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cattttgctt tgaatacaaa tagtatccta actgagatgc ggcagagagt tgaggacttg　120

gtggaagaaa caaccagaca gagagtacga tctgctggta atgaagaagc actttctaga　180

gtcaagcatg aatttgagtg tctggaatca aatgttagtg gtcta　　　　　　225

<210> 40507
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<223> Clone ID: 700941118H1

<400> 40507

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aatttggagc attctctgtg attttttattt ttatttaaac caaagtgggt cttttgtaga   120

ttcctgagga gcatgcctcc tttcctacac aaaataaagg attattctga ttcctttaaa   180

taaaatgctt gttgatttat ccttcatagt gttgtggtaa aacctccacc tctgcttctc   240

acttactatc tccctct   257

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<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700941120H1

<400> 40508

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catttttggg ataagttccg caaagctcct gagggttctc tcaggaaaaa tgcagctcag   120

aaacaagttt tggaagcaat gtctcataga atgcatgtag acaacagtgt aaaacttatt   180

gggaagcttt tatttggtat tgaaaagggt ccagaagtac tcaacgctgt tagaccggca   240

ggatcggcac ttgt   254

<210> 40509
<211> 258
<212> DNA
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<223> Clone ID: 700941121H1

<400> 40509

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cattatcttc tcctatctct ataacctcga tatccctcaa aacctcaccc tcataccaaa   180

tgatatgacc ctcttgtgag aacatttttt cccccttaag aataggtcaa aggctgcaac   240

tttttctgaa ccaatctc   258

<210>   40510
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<223>   Clone ID: 700941122H1

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gtcttcaaat cttattcttg gtattgattt cactaagagc aatgagagga caggaaagca   120

ttcatttaac agaaaaagtt tgcatcacat tgggaatggt ccaaacccct atgaacaagc   180

aatatcaatt attgggaaga ccttggctgc atttgatgag gataacttga ttccttgttt   240

tggatttggg gatgc   255

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<223>   Clone ID: 700941123H1

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ctgaatccct ttctgctaat catctgtctt tcaagctaag attttctggt ttgtctttta   180

attcaccaaa aagcaaactt agaaggattt ttcgaaagcc aggtgttttc agaaacgaga   240

tccaggtttt attgtcg   257

<210>   40512
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<223>   Clone ID: 700941125H1

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aaccgcgctt ctccaagctc actacttcaa tatcaagggg gtttacagaa ctgattttcc 180

tgataagcct ctaactgctt ttaactatac aggtgcacca ttaacggcta atcttggtac 240

ttcagttggc acaag 255

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<223>   Clone ID: 700941126H1

<400>   40513

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gtgtataatt tattgagcca gtcctagttt tactgtgtcc tatatataat atgaaggtgc 240

ctctcatatc atagag 256

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<223>   Clone ID: 700941127H1

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cagacagatg caaaagaaag gctggacaat tgctagaacg tatgagcagg ttagttgagc 180

aacagcagga agttccaata caaactgaaa ctcaagctca gaacgaggat acccaaccac 240

ctttgattac taacc 255

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<212>   DNA
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<223>   Clone ID: 700941128H1

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tatatgttgg agactctgtg aatccagaca tcgtgcagaa actgtttggt gttgctacag   120

ttgacaaagt ccctaccctg tttgtattgc agcagtacga caatccacta tcaaagaagt   180

taaatgaagt ggtaaatgag atacggcggc aaagatgttc ctacttccgg ttcaagctct   240

gcaggaaagg agatc   255

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<223>   Clone ID: 700941129H1

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gagctcagca ctcgaatcga gtttaaagct gaaaatcagg gaaaattcca ctcattccac   180

ccagttgcga ccatccttag ttacctgacc aaggcccctc tggttccacc gggtacacca   240

gtggtgaatg cgttgtca   258

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<223>   Clone ID: 700941131H1

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accaccactt tagcccaatt atcaccagct tctgcccctc tcaaaccacc ccaacctgct   180

cctaccatac cagctgctgc tcctcagcaa ccattggttc cttcattgcc acaatcacca   240

agtgattcca cccctgaca   259

<210>   40518
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<223>   Clone ID: 700941132H1

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gttctagagg acaagataga ccgtcatagt tttcacgacc accacgacgc cgacgatact   180

cccttagcat cttcctcttc taaagtcctc caacaattac acagcttcga ttttgaggac   240

acaagcgttg tagatttgcg ga   262

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<223>   Clone ID: 700941133H1

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ccactgaata tagctgcctg gggccaatga tcgactcaag attagcatta agaattgata   180

aagtggtact tgagagtgtg tctctttaaa tgtttgtgac actcatacag tatatatgta   240

tctaaatcaa atcttg   256

<210>   40520
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<223>   Clone ID: 700941134H1

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16099

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acagttcata aaggttacaa gtccaacatg ggaaactgct tgttgggggg catgtcagat   180

cctgatacaa taatcaaagt cacaacatct aatggtggca tcatggaatt ctatgctcct   240

attactgtga g   251

<210>   40521
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<212>   DNA
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<223>   Clone ID: 700941135H1

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ccagcttgga ttatggattc aacggatctg acattgccat gggatcttat tgtgctggac   180

ttcactatta tgcggctccg gtgacaagcc acgatcaatg c   221

<210>   40522
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<223>   Clone ID: 700941136H1

<400>   40522

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cacgactgga ggttggacca gaggccaaaa ggagcttagt ccctgcagaa gccatcgtag   180

cagcaggagc tctcgctgct atggggtgcc tacaggttgt cacaagtctt cgg   233

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<223>   Clone ID: 700941137H1

<400>   40523

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aagaacaagc tggacatttc attgggtgtt gcattgggtt cagcaactca gattgccatg     180

tttgtggtcc cattatgtgt aatcgttgct tggataatgg gtatcgatat ggacctgaac     240

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<210>      40524
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<223>      Clone ID: 700941139H1

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ctgaagcaag ggacaaaata tgcagggcaa tacaatatgg ttccaaattt ttgagtaatg     180

gggaacctgg tactgctcag aatgtagaca aaacaaccag cttggcacga aaagtcttcc     240

gtctctttaa gtttg                                                      255


<210>      40525
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<212>      DNA
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<223>      Clone ID: 700941142H1

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caaccacgat actatttctc atactctatt aggcaaaaac accaccaaat gggagaggaa     180

aaggagcagc ctaagaatga caccgagaaa aagcccgagg aggtagcccc caagaaagac     240

gacggaccca tccctg                                                     256


<210>      40526
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<223>   Clone ID: 700941143H1

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ggtggatttt tcaatttgtt taccattaca gtagttccaa tgacaatgga actaaagctt   180

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tt   242

<210>   40527
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<212>   DNA
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<223>   Clone ID: 700941112H1

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gagaatagtt ggggaactta ttgtcctgga atggatcctt ctccacctcc agagtacatc   180

acttgcctag gggatttgta cagcgttgct tggatggaag atagtgaggc tcacaatcta   240

aaaagggaat ccgtg   255

<210>   40528
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<212>   DNA
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<223>   Clone ID: 700941079H1

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tgatgtgggc acctgttaaa cctcagagca agagtgagat cgtggatgaa ttgagtgaga   120

taagtaaaat tgaggcagtt aatcctctaa agagtgagca gcaggtgcat aatttaaaaa   180

ataagagggc agaaatggag aggtatgttc cgaaaccatg tgcaaaagaa catgctcagc   240

16102

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<210>      40529
<211>      239
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941080H1

<400>      40529

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ttaggaattt ttacatggag agaaagtact aaaccaacag ctagcacagc taactgtaac  120

cacctttctt ttacattaaa gaattggttt gatgctttag gaatgagctt ttcttatggt  180

accgaggaat tgttcttaat tgttgttttg tgtcgggctc aggatcggcc atctaccaa   239
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<210>      40530
<211>      168
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941081H1

<400>      40530

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cctcttggct tgttacaaaa tccccccttt tcccttgga attctccctc atggcaaggt  120

taaaaggccc tatggtctcg ccccctgtgcc taattacttg gtcaggac              168


<210>      40531
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941082H1

<400>      40531

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gttggaagga aaattccggg aacttcaaca attcagttta gacttccgtc cagtgacctc  120

ggctccttaa tctaatgatc caagaccgat caccagctat aagaagctgc tctgggatat  180

tccacatgct tctggacact gatcgctatg agt                                213
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<210> 40532
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: 700941083H1

<400> 40532

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ccgatttcca agttcattac cttggtccaa cattgcccag ggctt   105

<210> 40533
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700941084H1

<400> 40533

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tttttccatg gtaaaaggcc ttcctcaaag ggggccttgg aacagggatt tgagtcccca   120

gaagccaaca atgtcctcct catgtcccaa atggaagagg accaagagga agagtaccta   180

tggcgatgat agacttgtga gcatgattca atcattggag gcagagatca ctgacactg   239

<210> 40534
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700941085H1

<400> 40534

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caagtcaaag ttcctttgga ggaataaatc ctcccaaaac ctgaggccgt actcaggcaa   120

agataatagt ccaattgcct ggtccatagg atccaatagg gcactaggct gataatggtg   180

gcaggaacct gatagtgaat atatatcgtg ttcacaactt atcaaatagg agcttggac   239

<210> 40535
<211> 241

16104

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<212>       DNA
<213>       Glycine max

<223>       Clone ID: 700941086H1

<400>       40535

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tggaccctga gtatattaga ttgttcattg agggcttgtt gtgcactgct agggttgtgt   120

ccaaggctgt gatcactggg tacaaagatg ggttcaacca gattaagtcc ttggttgatg   180

ttggaggtgg cattggaggg tctctttctg agattgttag ggcttatcct cacatcaatg   240

c                                                                    241


<210>       40536
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<212>       DNA
<213>       Glycine max

<223>       Clone ID: 700941087H1

<400>       40536

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tgatgtgggc acctgtaaaa cctcagagca agagtgagat cgtggatgaa ttgagtggga   120

taggtaaaat tgaggcagta aatcctctaa agattgagca gcaggtgcat aatttaaaaa   180

ataagagggc agaaatggag aggtatgttc cgaaacctgt tgcaaagaa atggctcagc   240

aag                                                                  243


<210>       40537
<211>       245
<212>       DNA
<213>       Glycine max

<223>       Clone ID: 700941088H1

<400>       40537

aaggtgaagt cagcagaggt gtttgataat gcaatttaat atacttttca gcatagtgaa   60

ttgttaggaa tttttacatg gagagaaagt actaaaccaa cagctagcac agctaactgt   120

aaccaccttc cttttacatt aaggaattgg tttgatgctt aaggaatgag ctttcctaat   180

ggtaccgagg aattgtcctt aatggtggtt ttgtgttggg cgcaggatcg gccatctacc   240
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16105

aaggt   245


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<210>      40538
<211>      237
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941090H1

<400>      40538

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gtactcaatg gaaaaactca ttacagtttg gagaaaaggg ttgttctgag gggtttggtt   120

gtccagcatc ttctctccaa tggtttgata agaagagtt ctagcttggt tacactgttt    180

agtaagtctg ataaggtgtt ctgcaaaag tacgtgagat gtttctggga cagggaa       237


<210>      40539
<211>      225
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941091H1

<400>      40539

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tagatttgca actgaaacag ttgatctgcc agctcaagaa ggtgaaaggg taactgttgc    180

tgtggcagct ccatctaatg tgtatcgaaa ggagggcccc tttaa                   225


<210>      40540
<211>      237
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941092H1

<400>      40540

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caaagcactt gaagattcaa gttatggtta caacaggtgg taccagcctg aaagatgata   180
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16106

taatgcgctt atatcaacca gttcatttac tagttggaac tccaggaaga atattag   237

<210>   40541
<211>   232
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941093H1

<400>   40541

cgaagagaat ggctcccaag ggtttaatct ttttggctgt gttatgcttc tcagcactgt   60

cactgagtcg ttgtcttgcg gaggataatg gacttgttat gaacttctac aaggaatcat   120

gccctcaggc tgaagacatc atcaaagaac aagtcaagct tctctacaag cgccacaaga   180

acactgcttt ctcctggctc agaaacatct tccatgactg tgctgttcag ag   232

<210>   40542
<211>   240
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941094H1

<400>   40542

gaaaactgga aaagatgata tagatgttgg gaaactgaga cctacactct ttgatgtttt   60

tggagaagat gctagtccta aagtgaagaa gttcatgaat gttattttta acaaactcca   120

acatggaagt ggtgaaagtg ggggtggaat attggggttg gtaggtggtc ttgcacaaga   180

gtttctcaag caaaagcttg atgacaatga tgaggtatat gcaaagcctg cattggagac   240

<210>   40543
<211>   212
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 700941095H1

<400>   40543

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tggtgctgcg gtagtcttag cagaaaaggg ccattttgat gtgtcaaagg atatctttac   120

acaggttcaa gaagctgcca gtggtagtgt tgttgtccag atgcctgatg ttttgataaa   180

tctggcacat gntttatttt gcacagggga at   212

<210>   40544
<211>   181
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941096H1

<400>   40544

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gacaaggagt tgtacagcaa gacgttttg gacgaggaaa agaggaacaa gttcataaag   120

tggaggattc aacctttag aaacaactt agaaatttgt caaccccttg cattggtgat   180

t   181

<210>   40545
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941101H1

<400>   40545

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ggatgaagca ggggacaaat tagaagatgt acttgataac gatgatgaag ccagtgatag   120

tcctgggagt gaaggatctt tgcataataa agtggaagag aatgcaaaag aagctgagga   180

agaacctatt gtgaaatctg aaactgatat aaaggtcgga acaaagagt cttctgctga   240

aatcatcaat aaggggaat   259

<210>   40546
<211>   256
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941102H1

<400>   40546

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16108

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agggccttca agaggagtct gggggagtag aaaccatgtc ccacaaggat ggcgatgacc   180

aacttgaaga tgcagtttat gtggaatctg aatcggacag gaatgttgtc tccaagaata   240

gtaaagcttc taagaa   256


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<210>      40547
<211>      257
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941103H1

<400>      40547
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gcaccgtcgt cttcatttcg cagccatctt ctgcgccaca gcataataac ctgagcagta   60

tagaagagtt tagtagaata gaataggtag caagattagg aaagagagaa ggcgaagaag   120

atccggtgat tcttcacggt ccgatgatga tgcggaaagc cgtgatttgt cctctcagga   180

gagacgccgg agagacggtc acctcggcca ccatcgattg tggcggggac ggagcaggca   240

ggactcagat agttcct   257


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<210>      40548
<211>      256
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941105H1

<400>      40548
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aaccacttat cgctgaacca tccaaaatcg ctctgctttg agttggcgaa ggttataaat   60

tgtcatggga aacagatttg tcaggggaaa caaattggag aagcaagaaa aggatgacat   120

aatattactc aagattgtac ctcccgtgga ccagatttat gctaaatggc ttgccagaga   180

ccttgcaaga attcacagct ttactccaaa acgtattcgt gcagtgcagc cgccggatca   240

ttatgtagaa catatg   256


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<210>      40549
<211>      223
<212>      DNA
<213>      Glycine max
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<223>　　　　Clone ID: 700941106H1

<400>　　　　40549

gctatccacc accaactcaa acacagcctc cactagagaa taagagatac cttcctgtca　　60

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tgatcatgct tgagacactc atcataggat atcaaagaga ctagctactc catctgctca　180

gttgatgtca ctagccatca tgggatccgt tgcagagatc aat　　　　　　　　　　223

<210>　　　　40550
<211>　　　　248
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: 700941107H1

<400>　　　　40550

ctaataccaa gaaatcctaa tgatagtatc aaaactaaat ataataccat aaaattataa　　60

atattcaaca ttacaacttc atcataatgc aaaccaatgt aataaagtat gacagagtaa　120

gtgtaaatct tacataaatg accaaatcag aagtttgata ggtgaaaact tattggatca　180

aagaagttct tgtaattctt ggcttagaac ctaactcaac cccactagat cggctagtac　240

gataagga　　　　　　　　　　　　　　　　　　　　　　　　　　　　　248

<210>　　　　40551
<211>　　　　229
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: 700941108H1

<400>　　　　40551

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cctctctctc ctttccaaat ggccagcgtt gaggttgcac atcaaacacc aacaacagtt　120

ccagaaaatg aaacaaccga ggtaatcaag acccaggaaa caaccccgga accagtacca　180

gccactgagg ctcctgcaac agaacaaata acagctgagg ttcctgctc　　　　　　　229

<210>　　　　40552
<211>　　　　236
<212>　　　　DNA

16110

<213>   Glycine max

<223>   Clone ID: 700941077H1

<400>   40552

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caagtccaag ctccttttga agtattaatc ctcccaagag ctgaggtcgt actcatgcaa   120

agattatagt cctattgcct tgtccataag actctatagg gccataggca tgataatggt   180

ggcaggaacc tgaatagtga atatatatcg tgttcacaac ttatcaaata ggagct   236

<210>   40553
<211>   255
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941109H1

<400>   40553

aagcatacgg gcatatataa aggatccaat aacacccagg tttgtgcatg tgagctcagc   60

aggagttaca agacccgaaa agactggaat cgaacggcgg gaggctgttt acttagatcg   120

attccaggcc tttcggttaa acaaggaact ggattatatc ctcacattta aactaaaggg   180

cgaggattta cttagagaaa gtggcattcc ctatgcaatc gtgaggcctt gtgcattaac   240

tgaggagcct gctgg   255

<210>   40554
<211>   254
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941111H1

<400>   40554

atctgtttct gaggagcagc ctgctttgaa caaccatctt ccggcagatg gagcagaatg   60

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tgctgccaga atgctggagg ttctagagaa atcaatcagt gaaagagcaa aggctgaggc   180

aactgatgtg cttcagaagg aaaatttgat gctgaaagag caaattgaag cgttgattaa   240

ggagaaaaat tctt   254

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<210>      40555
<211>      192
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941040H1

<400>      40555

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tatctgaaga agatgaagtt ctgaagaagc atgtgtggag gtgctatcat ctcagacttc  120

attggtgtga agcgtggccg caacctcgcc gcgcaggaac tgtggtccga gcttgaccct  180

ttctctgacc tc                                                       192


<210>      40556
<211>      233
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700941041H1

<400>      40556

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ttggatgtcc attttactcg gtcattctac aagcacgtcc taggggccaa agttacgtat  120

catgatattg aagccattga tcctgactat ttcagaaatt tgaaatggat gcttgagaat  180

gatatcagtg aaattttgga tcntacttta gcacttgatg ctgataggaa aag          233


<210>      40557
<211>      229
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941042H1

<400>      40557

cttcctggta tgtacaacaa ggaagagaac ccccgtgtgc ccatcatcgt caccggtaac   60

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gcacctacaa gggacgatcg tgttggcgtc tgcaatggaa ttttccgcac tgacaatgtt  180

cctaaggatg acattgtcaa gcttgttgac acctaccccg gccaatcta              229
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<210>   40558
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941043H1

<400>   40558

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gtcaaatcca gctacaagaa actctacgaa ggtctctcga cagcaggtac tgcgattctg   180

gacgaaacgg acgctgtggg gataaagagg gacgaagcgt gccacaatct tgtgt   235

<210>   40559
<211>   243
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941044H1

<400>   40559

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tgaaacctga tgttattgct cctggtgtta acattttagc agggtggact gggcgtgtgg   120

gtcccacgga tttggacatt gatcctagga gggtcgagtt aacataatt tcggggactt   180

ctatgtcgtg ccctcatgcg agtggcattg ctgcattgct taggaaggct tatccagagt   240

ggt   243

<210>   40560
<211>   242
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941045H1

<400>   40560

ggaattgaac actggggtca ggatcatcaa cctagctagc tagtgtatac aacaacaata   60

tgaggaagcc cgaggtttct ggaaaaaaca acaacattaa taacaagctt agaaaggggt   120

tgtggtcacc tgaagaagat gacaagctca tgaactacat gctaaacagt ggacaaggtt   180

16113

gttggagcga tgtagccaga aatgcgggcc ttcaaaggtg tggcaaaagt tgtcgccttc 240

ga   242

<210>   40561
<211>   169
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941048H1

<400>   40561

gcgaaagaga gaattcgtag accctaattt cggccagatc ggcgatgact gcctccaagg   60

atcgcgagat cttcgtctac atcgccaaac tcgccgagca cgtcgagcgt tacgaagaac 120

attgtggact caatgaataa cgttgcgaat ctcgactgct aactgacag   169

<210>   40562
<211>   254
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941051H1

<400>   40562

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agatcggttc caagttctgg gaagtggtgt gcgacgagca cggcatagat ccgacgggga 120

agtacgtcgg aaactcagat ctgcaactcg agcgcgtgaa cgtctactac aatgaagcct 180

cgtgcgggcg cttcgtgcca cgcgcggtgc tgatggacct ggagcccgga accattgaca 240

gcgtgcggac cggg   254

<210>   40563
<211>   252
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941052H1

<400>   40563

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aaggacatct tgaaccttgt ctacatctgt gagtgtaatg gcctgccaga ggtggctgag   180

tactggaaac aagtgatcaa gatcaatgat tatcagaaga gccggttcgt gaaccgtgtt   240

gtttcgtcga tg   252

<210>   40564
<211>   242
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941056H1

<400>   40564

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ggaggctatc tcaaattaat tgagctggga cttgaagatt gtgtggagaa aattgatgct   120

caactagtgt ttggttatgc tcttttcaag gatgggaagc acacaagact ctcttatccc   180

ttggaaaagt ttcactcaga tgttgctggc agaagctttc acaatgggcg gttttattca   240

ga   242

<210>   40565
<211>   244
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941057H1

<400>   40565

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cttaaatatt ggttgaacca gaggcaacaa tgggtttgac ggtgtcacgg ctattgagat   120

tgttttatgc aaggaaagaa atgaggattc tgatggtggg ttttgatgct gctgggaaaa   180

caacaatact ctacaaactg aaacttggag aaatcgtcac tacaataccc acaataggct   240

tcaa   244

<210>   40566
<211>   236
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941059H1

16115

<400>   40566

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aattcagggc atattcatgt tggtctcagg ctactttagg ctcccacatg atattccaaa   180

gccagtgtgg cgctacccaa tgtcatacat cagtttccac ttcttggcac tacagg   236

<210>   40567
<211>   241
<212>   DNA
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<223>   Clone ID: 700941061H1

<400>   40567

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ggcttccttg cgccgcagc tgccctcgtc ttctcctgta tgggagctgc ctatggcaca   180

gcgaagagtg gcgtgggcgt ggcttccatg ggtgtaatga gacctgagct ggtgatgaag   240

t   241

<210>   40568
<211>   242
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941062H1

<400>   40568

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gacttcacca gctgagagat gcttcctctg gataggtggt tttaaaccat cagagctcat   180

cacaatgttg ataccacagt tagagcccct ggcggagcag caaattatgg tcatatgtga   240

ac   242

<210>   40569
<211>   242

<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941063H1

<400>   40569

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tgtttggagc tcgctgaaat ttgcaaagaa gtcgggcttc ctcctggcgt gttgaacatt   180

ctcactggat taggacctga agcggggggct cctttagcag ctcatccgcg attagacaag   240

aa   242

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<213>   Glycine max

<223>   Clone ID: 700941064H1

<400>   40570

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agttgcaatt ttgggggctg ctggggggaat tggtcaaccc ctttctttgc tgatgaagat   180

gaacccattg gtttcagttc ttcatcttta tgatgttgtc aacacccctg g   231

<210>   40571
<211>   258
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941065H1

<400>   40571

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tatatggatt ctgatatacc aacagtgaga gcttcagatt cagcttcagc tgatagcact   120

gttgagaatt tgcccaggag ttataatagt aataatagtt ctgctggtca aaatgcaagt   180

cacaataaca cgcagaattt caggccaact attcaacctc cataccaacc acctccactt   240

tacaaaggcc gtgggcca   258

16117

<210>   40572
<211>   237
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941067H1

<400>   40572

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gttctggatt actcagaatt taaagatgtg gacttggtca ttgaggctgt aattgaaaat   120

atcagtctca aacaaactat atttggtgat cttgagaaga tttgtcctcc acactgcatt   180

ttagctttca acacatcaac tattgacctt gatgttgttg gtaaaacgac cagctct   237

<210>   40573
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941068H1

<400>   40573

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ctttctctct tgcgttcaca cttattctct ggcttcttct tccattttcg cttctcgtag   120

cgttttcgga acagttatgg cttccattgc cggatccaac tgcgtcgctc tccgaaccgc   180

caacttcggc gcctccggta accggaaaat cggccagatc cgccaatggt ctccgattct   240

cacgaatctc   250

<210>   40574
<211>   249
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941069H1

<400>   40574

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aacccaaaac acttgcttcc aaaatcaccc taacttcttc cctcacctcc ctcctccaac   120

cccaaaaccc tcgcacatgg atcctcttca ccgtcctctt catccagatc ctcctcctct   180

gcaacctcca tatcttccct tcctcaattc cccctcccct ctctcccatc cccgccgcca 240

ccgacaccg 249


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<210>     40575
<211>     247
<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941070H1

<400>     40575
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ttttcaaaat tcaaattgac ccttctggcc ttctcctact tcttctatcc attgtttcat 180

ttttatttcc aaattttcag gtgaaaggaa cataggaact tgaggtgatg aaagcaacag 240

aatgtta 247


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<210>     40576
<211>     245
<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941072H1

<400>     40576
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atccctcaag ggatccacta actgaaggag aaatggggtt gacattcacc aagcttttca 120

gccggctttt cgccaagaag gaaatgcgaa ttctgatggt gggtctcgat gcagctggta 180

agaccaccat cctgtacaag ctcaaacttg gagagatcgt taccacaatt cccaccattg 240

ggttc 245


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<210>     40577
<211>     240
<212>     DNA
<213>     Glycine max

<223>     Clone ID: 700941073H1

<400>     40577
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caatatcctc tctttttctc ttcgcactct ccctcatggc aaggttgaga ggctctatgg   120

tctcgcccct gttgctaagt acttggtcag gaacgaagat ggtgtctcca ttgctgctct   180

caacctcatg aaccaggaca aaatcctcat ggaaagctgg tactatttga aagatgcagt   240

<210>   40578
<211>   237
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<213>   Glycine max

<223>   Clone ID: 700941074H1

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gtctccttat cctcactgat ccaagaacag atcaccagcc tattaaggaa gctgctcttg   180

ggaatattcc caccattgct ttctgtgacg actgatcgcc tatgaggtat gtggaca   237

<210>   40579
<211>   252
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941039H1

<400>   40579

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aaaggcggcg gtggcgagac gtacggtcgt ggtggaggat gtcgtggcgg cggaggaagc   180

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aaatactgtt at   252

<210>   40580
<211>   210
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941075H1

<400>   40580

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aaagtcagta acatagtccc accattgcca aggctttgca attcgttgcc ccatgaaaga   120

gaataagtac tcagaagaat gctcagatca agttattaaa tctcttggtg ctgatctgaa   180

gaagattaaa gactgcgatg gagatcccca   210

<210>   40581
<211>   241
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941076H1

<400>   40581

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ttttttcatt gtaacatgtc ttcctcagag ggtgtctttg aacagggaat tgagttctca   120

gaagccaaca atgttcttct catgtctcta atggaagaag aacaagaaga agagtactat   180

ggcgatgata gacttgtgag catgattcaa tcattggagg cagagatcac tgacactgaa   240

a   241

<210>   40582
<211>   255
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941006H1

<400>   40582

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agggagatta tgcctggcat gattgtcact ggcatggagg ttgcagaaat tgatggctcc   180

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ggcgttgaag gcttt   255

<210>   40583
<211>   255

16121

<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941007H1

<400>   40583

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aagaaatgac tcgatcaaac ctgagtctct ctcttttgaa tctcatgggt cgattgccca   180

aggatgttgt gcatgtgaat ggtacaacaa tcaagaacga ccaaaagttc tcctgttcga   240

gaaaattacg tgttg   255

<210>   40584
<211>   227
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941008H1

<400>   40584

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aagccctaga agcccggttg acatgatgaa cttaaagatg caatcaccaa agggcctaaa   180

aagctatgac cttggtggtg ttggtctatg aattgtggtg gcccttg   227

<210>   40585
<211>   248
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941009H1

<400>   40585

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gatcttcagc aagttcgaca agaacggcga cggcaagatc tcgtgcgccg agctgaagga   120

gatgatggtg gcgctgggat ccaaaacgac gtcggaggag gtgaagcgca tgatggcgga   180

gcttgatcgg aacggcgacg gctacattga ccttaatgag ttcggcggag ttccatgcgg   240

cggcggcg   248

16122

<210>   40586
<211>   237
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941010H1

<400>   40586

taaagactta gacaaggaag aaatgctacg aggaaggcct ggctatgagc acctgaatga   60

tccgcttcac attataattg aagctgaact acctaccagt gttgctgatg taagattgat   120

gcaagcacaa gaaatcatac aagagctact aaaccagtg gatgagtcac aggacctta   180

caaaaggcaa caactaagag aacttgctat gcttaattcc aactcagaga agagagc   237

<210>   40587
<211>   214
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941011H1

<400>   40587

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tactgctgtt ggcacatctc ttgctctgca ccgctttgat atactgaggg atagtgctag   180

gcagcacttg aatacaatag tagtacttgt attc   214

<210>   40588
<211>   232
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941012H1

<400>   40588

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caatgaagag gttgcgaata taataacaat ggatggcaca tatgacagga cagataacaa   180

gtttacatca agtattcaat cctataacaa gggaaatgac agcttatcta ta   232

16123

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<210>      40589
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941016H1

<400>      40589

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gaggattgct ctttccaagc aagagataat cgaagaagaa                           220


<210>      40590
<211>      266
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941017H1

<400>      40590

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gaggcgtgag gcagaggccc tggggaaagt tggccgcgga gattcgtgac cctcgtcgtg     120

ctgcccgggt ctggctcggc acgttcggaa ccgccgagga tgccgcccgg gcctacgaca     180

aggccgcgat tgagttccgc ggcccacggg ccaagctcaa tttccccttg gtggacgagt     240

cgctcacttt gcagcagagc gagcca                                         266


<210>      40591
<211>      250
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941019H1

<400>      40591

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tttcaaagaa gagacgaagc tcacagtgct caaaacatcc ctcttcttca gcggtgatgg     120

cttcgctgtc tacgattcca agggcaacct cgtcttccgc ttcgactcct atggtccccct     180
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16124

cgcacgtgac aaggacgagc gtgttctcat ggatccccat ggccgttctc ttctcacccg   240

ccgtcgaaag   250

<210>   40592
<211>   256
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941020H1

<400>   40592

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cctttttgcag ttgatgggct agagatttgg tttgctatca aaacatgggt taaggactac   120

tgctcctttg actacaagga ggatgacact atcaagaaag atactgaact tcaatcttgg   180

tggaaggaaa taagggaggt gggtcatggt gacaagaaag atgagccttg gtggccaaag   240

atgcagacat gtggag   256

<210>   40593
<211>   254
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941021H1

<400>   40593

ctaatgtcaa gtgaaagctg ctccttatca cagctctatc atgcatggtc atgttaacaa   60

atagaagatt gagcttgtgt tggattctca tcagatgcat acaatgtttc ttgcaagctc   120

aaactggtat tttcacaatt catcttgagg aatatgtgct tttggactct gagtatgaca   180

tgtgaggcaa gtcttaggtt tatttgtctg tgtaatttgg agagctactt ataatgcagc   240

cagtttgttt tcgt   254

<210>   40594
<211>   256
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941022H1

<400>   40594

16125

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acgcgctgtc tcaatcttgg aatctctgct ctaaattcta atcttcccgc catagatgtc   120

gtcgaacttg tggtgaggga attggaaacg gatccgctgt tcaattcggg ccgtggatct   180

gccctgacag aaaaaggaac ggtggagatg gaggctagca tcatggatgg tccaaaacga   240

cgatgcggcg ccgttt                                                    256


<210>      40595
<211>      246
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941024H1

<400>      40595

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agttagagct ggaaatactt ttggtgacta tcatcgcata ctcgccccaa gagataaata   180

tgaagtagtg gcaaccatgc cgggctacaa agcaaaggaa tacaactatt gtgtggacga   240

aggacc                                                              246


<210>      40596
<211>      238
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941025H1

<400>      40596

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ggaacctgcc gagagcagga ggccattccg tgcactcctt gatgttggtc ttgttaggac   180

tacaacagga aatcgcgtct ttggtgccct taagggagct ctggatgggg gtttgata    238


<210>      40597
<211>      247
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: 700941026H1

<400>   40597

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gatgcagaga agatcaagaa gaaagaagat gatgggaagg atgatgaaga gaagaaggaa   120

aagaagagaa agtatgacaa aattgatgca gagaaagtca aggggaaaga agatgatggg   180

aaagagtaag ggacatagga aaagaaggac aaagaaaaag gagacggata atgcgaagag   240

aagaagg   247

<210>   40598
<211>   243
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941027H1

<400>   40598

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actgtcgacg cctacgaccg acacgtgttc ctctgctaca agagctacgt gtcctggccg   180

gcacgcatcg aggcatccga cgccgatccc ttccccaagc gcgatcgcgc caccgtcaaa   240

gcc   243

<210>   40599
<211>   250
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941028H1

<400>   40599

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ggccagtccg gcgccggtaa caattgggcc aaaggtcatt acacagaatg ggcgccgagct   120

gatcgactcc gttctcgatg tcgttcgcaa agaggctgaa aactgcgatt gcctgcacag   180

ttttcaagtt tgccactctc ttggaggagg cacaggttct ggcatgggaa cactgttgat   240

atcaaaaatt   250

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<210>      40600
<211>      250
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941030H1

<400>      40600

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aagtatgtac cttacgttgg ggacagcaag agggccatgg atgagtactc ttctgagata   180

ttcatgggcg gaaagaacac aattgtgttg cacaacactt gtgaggattc actgttagct   240

gctcctatta                                                          250


<210>      40601
<211>      239
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700941031H1

<400>      40601

gtcaattttg ttttcggaga tctatacgat caccaaagtt tggtgagtgc cataaagcag    60

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tctgcaatta aggaaatgtt aggaagttct atccatctga gtttggaaat gatgtggacc   180

ggactcatgc agtggaacca gccaaatctg catttcaaca aaggccaagg ctcgcagag    239


<210>      40602
<211>      249
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700941032H1

<400>      40602

aaacgtgcaa gcaaacccca cacccccacg caacaacagt ccccatttgt tccccagcaa    60

aacaaaaaca ccgcgtcttc cccgtgcggg aaaaaaaaaa gaatcctcaa ttttccggga   120
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16128

aaacccttca gaatggtttc ccgggaaaat accaattggc tcttcgatta cggcttgatc   180

gacgaatatc ccgatccgga ttccaccttt ggcgtcaant ccttcgcctt tacagtgccc   240

ccaaacgcc   249

<210>   40603
<211>   218
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941033H1

<400>   40603

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ttaggaggaa ggctttcttg cattggtata ccggggaagg catggacgag atggagtttc   180

cagaggctga gagcaacatg aacgatctcg tgtccgag   218

<210>   40604
<211>   249
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941035H1

<400>   40604

agacacgagc ctcgaagtgg atccttcgcg acacgaatat gaccctagca cccatgttgc   60

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aaggcacaaa acatggcact gctttcttta agtgccatgg acatgagcaa tttgagatga   180

cgggtttgga ttctgagtat aataggttgt tcaatgaggg catggtgtgc actgctaagg   240

ttgtgtcca   249

<210>   40605
<211>   239
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 700941037H1

<400>   40605

16129

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tcgcattgac ctatataacc ttttctctcc ggttaccaga gccgtaagtc gctgaacatg   120

aanccgcaat cttcggttcg ggcggaaccg gagcctccgg ttccgacgtt ctccccacgg   180

ttcgcgctca cgtccggttc gcagcggaaa atcgcgatcg cggtcgatct gagcgacga    239
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<210>   40606
<211>   250
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941038H1

<400>   40606

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ggacgacctg gagcatgttg aatccagttt caacattcca ggtgtttcaa ttgccatgcc    60

ccaatcttct gtggaccctg aatgtagtaa atcaatatgt aaaagtgatc cagctctgcc   120

tgctaaaaca aagaagctaa gcatggatcg atcagactca agaaaccgga tgcttctgca   180

gaagagactt ttctttcact cacacagagt ccagcctatg cactagaac aagtgttatc    240

agaccgtgat                                                          250
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<210>   40607
<211>   246
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 700941005H1

<400>   40607

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cgttgttaat gttgtcgcaa cttgtgtctc aatttatggt gttgacaagt ggggtaggag    60

agccctgttc cttgaaggtg gagtccaaat gctcatttgc caggctgtag ttgcagctgc   120

aattggagca aagtttggaa ctgatgggaa cccaggtgat ttgccaaagt ggtatgcaat   180

tgttgtggtt ctcttcattt gcatgtatgt aacatcattt gccttgtcat tggggtccct   240

aggttt                                                              246
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<210>   40608
<211>   119
<212>   DNA
<213>   Glycine max
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<223>      Clone ID: 700940970H1

<400>      40608

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catcaatggc aggtcgtggc aaaaccctag gatccagcgc cgccaagaag gccacctca      119


<210>      40609
<211>      239
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700940971H1

<400>      40609

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gtgggcgcac gttgaagggc cgagacttga gccgggttcg tgatgccgtg tggagccaga     120

ccgggttcga cggttaacac cgggctcagg tttgggcttt catgggttta ctgtaataaa     180

aattattata atatattcaa tttaagttaa tagaaatgca gacaaatgaa tgaacacag     239


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<213>      Glycine max

<223>      Clone ID: 700940972H1

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agtgaaggag aatgatgatg aagtctgcta tgtgtgcatt ggtgcttgtg gcactggttg     120

tggttgaagt ggggcccatg gctgaggctg cgagtgactt gcaacccata cacagttgac     180

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<210>      40611
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700940973H1

<400>      40611

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ctacatctgg aatcccgacg attacgtcga gcggcggagt acgaggcgct gctgcatacg   120

catgcggaaa gcgacggcgg aggtaggaga tgagcgccgc cgacgtcgaa ggcggcggtg   180

gatgcgttgc cgacggtcga agattgcgtc cgacagcgaa ccgtggcgtg cactatatgt   240

aaggatctac tcggtgtt                                                 258


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<223>      Clone ID: 700940974H1

<400>      40612

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tttgacataa ctaacaactg cacaagaga tttccgtaaa gacagtgtga tacgtagaga   180

aggtgatttt ggatcagttt tcaagggctg gattgctaac cactcactgg ctgctg       236


<210>      40613
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<223>      Clone ID: 700940975H1

<400>      40613

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cttggtcatg ggagttgca                                                199


<210>      40614
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700940976H1

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cgacctgcac ttgccgcttc atctcgtcct caattcagac tctttttcctc caatga    116


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<223>    Clone ID: 700940978H1

<400>    40615

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aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctata    239


<210>    40616
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tgttaagaag caaagtgctg gagagttgcg tcttcacaaa gatataagtg agctgaatct    180

accaaaatca tgtaccatgc aattccccaa tggcaaagat gatctgatga actttgaag    239


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<213>    Glycine max

<223>    Clone ID: 700940982H1

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16133

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gatgatgagc ctgtagttga ggatgatgat gaggatgacg aagatgacga cgatgaggat    180

gacgacaatg ttgaaggtga tgcatctggt aggtccaagc agaccagaag cgaaaagaag    240


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<223>      Clone ID: 700940983H1

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ggaaactatg agcaatctca gaaccctatg taagacctca gacggtgttc tctttcatta    180

gtttccaaca ccaatttcgt tctagggttt cctttcgaaa ccctacttgc aagccccgtt    240

t                                                                     241


<210>      40619
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700940984H1

<400>      40619

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agttccatcc atcaacaaag ttgcctattg ggatgcttca ttttcaaggt tcttttgatg    180

caaacctgtg cttttgagaa attaatactg ctgctggatt caattacttg atcgtggata    240

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<210>      40620
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<223>      Clone ID: 700940985H1


16134

<400>    40620

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gggcagaagg cggctcattt ggcgttgaag ctttgggta ggaacaatgc aattgatgga   180

acgtgtggag tt                                                      192


<210>    40621
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tatcagtagg cgatgtagtc acaggcccac ttcagacatt taatgggggtt gagaaggttt   180

gcaacatagg gtttattctc agaactacgg gacataatgg gtttgccgtt ata           233


<210>    40622
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<223>    Clone ID: 700940987H1

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tcttctcatt gccttaactt ccgaggttgg cgtgcaggcg cagatggaag agacaggctt   120

gaacctcatg tcggaggcgt tggagtgggc aaccgcaatg tcgcttctac gacgaagacc   180

acgaagaaga ggatgt                                                  196


<210>    40623
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<212>    DNA
<213>    Glycine max

<223>    Clone ID: 700940988H1


16135

<400> 40623

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gtaggattat cacatggcga gacagtacta gatcc                              95


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<223>    Clone ID: 700940989H1

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ttaataccat cttgatgatg agggttctca agctaaaaaa agaaaagttg gaatttatgt   120

tttaagtttt taactctact ggagtttgtt atagagagac tttgaattta agatgtcatt   180

gtactctgag aagtttcagc accactgctt ccaccatatg ctcatttctt cttcattac    239


<210>    40625
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<223>    Clone ID: 700940990H1

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caagatgatc aagacttgtt gcatgaataa atctgatctt ggtggatgga cacgtgttgt   120

tgttgagaaa ccttttggta aggatctaga atctgcagag gaactcagta ctgagattgg   180

aaagttgttt gaggtaccac agacttatcg tattgatcac tacttgggaa aggaactagt   240


<210>    40626
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<212>    DNA
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<223>    Clone ID: 700940991H1

<400>    40626

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tcaggtattg tgctgaatat tgccccatgt attacagggc ttgtatcaat gaagattgag    120

cccttacaca tttatttaat ttactatgat acaatggaaa gaattgtaga cacgcaaaat    180

gtgtcggaga gtatatttgc tatattctgc cagaaataat tgtgttttcc cattataa     238


<210>      40627
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700940992H1

<400>      40627

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ggaagctgga ccaactggga atgttcaatc agaaattctt cttcagaaga acca          114


<210>      40628
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<223>      Clone ID: 700940993H1

<400>      40628

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ccatcaacac cgtcttcgat gccaagaggt tgattggtcg tagattcagt gattcctctg    180

ttcagagtga tatcaaattg tggcctttca aggtcattcc tggtgctgct gacaac        236


<210>      40629
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<212>      DNA
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<223>      Clone ID: 700940994H1

<400>      40629

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ccattggact tagggagtac tcacgctatc tttgtttcaa ctttcctttc acccatgaga    180
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16137

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<223>   Clone ID: 700940995H1

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tggtttgctt ctgtggacgg atttcgtcac actgctatgg atgctattgg catgtaaaat   120

tggttcccct cacggagcga acagcatctc atcaatgact tctattcgct ccgattgatg   180

ggtgtcatcg cacaagacat ggggtgtggt cttcccattc cagtatttta tcatct   236

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<223>   Clone ID: 700940969H1

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aacactgtct ctcgggttat ctttgtcatc tagtcaaaga caaacatcat caacacattc   180

tgctttacat gcactgccat gcttcaacaa tcaagatagc atcataagtg ttgcttaaga   240

aag   243

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ggagattctc aacattgtga aggaaaactt tgatttcagg cctggtatga tctccatcaa   180

ccttgatctc aagaggggtg gaactaacag gtttttgaag actgctgcct atgg   234

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<223>   Clone ID: 700941001H1

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ctctatgatt gattcgattc gattgaagtc gattccgtag agagtgagaa atcagatcac   180

aataatcatc gatgggtaat ttgttcgtga agaagcccaa ggtaacagac gttgataaag   240

caatcctcgc actcaagacc cagagacg   268

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<223>   Clone ID: 700941002H1

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gtcctgtacc atatcgtgta atctaatttt tcatccgtaa aaatcttatc ttgtggcgac   180

gagatggcgg aggttcaagt gcagcatcag agtccggtgt cag   223

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<223>   Clone ID: 700941003H1

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aggctgatct tcgccggcaa gcagctcgag dacggacgta cccttgctga ctacaacatc   180

cagaaggagt caactctcca cttggtgttg cgtcttcgtg gtggtatgca gatcttcgtc   240

aagacccctta cgggtaaga   259

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<223>   Clone ID: 700941004H1

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aatcacactc tcttcgttgc gtcagttcat ctcctcatat ctacaactct ccctcattct   180

ctggttcttt tctcactcca aactgaactg cgaaattttg gttttgttca ctcagtacag   240

ggtgcgatgt gcttccattt t   261

<210>   40637
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<212>   DNA
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<223>   Clone ID: 700940936H1

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gaggatcata tatatattag tagtgctaga aattaattga agtgtgtaat agaatagagt   180

gtgatagaga gagatatggg gagaggaagg gtgcagttga agaggatcga gaacaagatc   240

aataggc   247

<210>   40638
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16140

<223> Clone ID: 700940937H1

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gcgtgaccga gcaccctacc ctgctaatca tgttgttggc catctcagtg ggagctttgc 180

gtttatagtg tttgacaaat ctacttctac cctctttgtg gcatctgatc aatatggtaa 240

ggtacc 246

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<223> Clone ID: 700940938H1

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gaa 123

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<223> Clone ID: 700940939H1

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aaactctgta aaatgttggt ttaccaggac ctccttacag gtgatgagct tctctctgac 120

tccttccgtt acaaggaaat tgagaatgga atgctgtggg aagttgaggg gaagtgggtt 180

gttaaaagga gcgttgatat agacaatggt gcaaaccttc tgctgaggtg ga 232

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16141

<223>   Clone ID: 700940940H1

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agcaaccatc cttgccattg gaactgctaa cccaccagac cgtggtgatc cgagcaccta   180

tcctgattac tacttcagaa tcaccaacag tgatcacatg atcgag   226

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atttgaagta tgctgattct catgagtggg tgaaagttga tgaaaattct gcaaccgtcg   180

gcataactga tcatgcccaa gatcatttag gtgatgttgt atatgttgac ttgccagaag   240

tgg   243

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16142

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<223>   Clone ID: 700940945H1

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tcaggccgac gccgattttg ccagcgcctc cgtcttcgaa gatggctaat ttgaacttga   180

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cgc   243

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<223>   Clone ID: 700940946H1

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caatggtatg gttagtgtaa ataactctgt caacccagca tccacatcaa caaccac   117

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aaatgaatac aaacggtttg gttgcactct tgagtttgtt accaataaat cacaagaagg   180

ttcacagttt tgcagaggtt tcggtgggat atgtgggatc ttgcgttacc agcttgatat   240

gcg   243

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<223> Clone ID: 700940948H1

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cctggatcca tctatgatgc aaatgacaca gcacaatttg ctgagctctt gacacaagga   180

gaactgaccc gtagagcttg ggaaagggag ttcaggtgaa tgatgatgga cctgga   236

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<223>   Clone ID: 700940949H1

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ctactctgag agttggtact gctcggttgc aggctatcac cgccatgggg ccggacggat   180

caactccgtt agcatctgct ctgaagtggg caccaatagt gatttggtcc agtgacttaa   240

ctccggtc   248

<210>   40649
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<223>   Clone ID: 700940950H1

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ctgcttccaa gcccaagcct gctgccgcca agcccaaagg gactaagcca gctgccaagc   180

ccaagcccaa gcccgctgct aaaacaaagg ctgctgctgc caagcccgcg gcaaagccca   240

aagcgaa   247

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<212> DNA
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<223> Clone ID: 700940951H1

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<212> DNA
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<223> Clone ID: 700940952H1

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<223> Clone ID: 700940953H1

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tacgatctgt cttccatcag agtcttcaag tccgggggag ctcctctcgg tcaggcactc   180

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tg   242

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<223> Clone ID: 700940956H1

16145

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ggcgacgacg aggacaccgg agcacacgtc gctcccatcg tcaagctcga ggaggttgct   180

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atcg   244

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<223>   Clone ID: 700940959H1

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<223>   Clone ID: 700940960H1

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aaggccaatt tgttggtagg atcgggaaca agaagaaggt ggttgagctt cgcagcaaca   180

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<223>   Clone ID: 700940961H1

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tcgctggaaa cccacgttcc gtatgccatt ctccgttcag tatacagcca atactatgca   180

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<223>   Clone ID: 700940962H1

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16147

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<223>      Clone ID: 700940963H1

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aagctgggaa agaacattca agtactttca agttcctttg tcaataagca agagcaatac   180

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gaact                                                               245
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aagcgtccga agcagttcgg gatcggaggc gcgctgccgc cgaagcggga cctgacgcgc   180

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ataggttttt gtctagaagt gcaagagaag attcttattt atgagtacat gtccaacggg   180

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<210>   40665
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16149

<212>   DNA
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<223>   Clone ID: 700940967H1

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tactccatca ccttcatggt ggcccgcacc tgcgcgctag aggagaggct caacatatcc   180

gtcactccag actggggcgt cattcctatt cagactttgt ataccagcag tggttggga   239

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<223>   Clone ID: 700940968H1

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tcctcgcttt tctcacaaaa caaaaaaaat taaaaatttc tccgaagact gtgtattatc   180

gttatcgttc actgacttaa gttttgctgt tcttcctagg gtttattgt gtccaataac   240

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<223>   Clone ID: 700940903H1

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aaagttgtgt tgaaggtgga agtacatgaa gacaaaatca agcaaaaagc tatgaaggtt   180

gtctctggca tttcaggggt tgagtcagtt tctgtggaca tgaaagacaa gaaattgacc   240

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<210> 40668
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<223> Clone ID: 700940904H1

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gcagaatatt ttgcggtatt gggtgaacaa cagatgtctg cagatgctat tgccaggtgt   180

ctatatgccc ttgaatgtgc atggcatccc atgttcaatc cattgcaggg aaattgccgg   240

ctgaagttc   249

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<223> Clone ID: 700940906H1

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tgtcttgctc aaaaatttgt acttgtcttg tgatccgtat atgaggaatc tcatgaacaa   180

gcccgaaggc cctcccaata gtcgtgctta cactcctggc tctccattaa taggatatgg   240

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<223> Clone ID: 700940908H1

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cca   123

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caaagaacca gatttgtaaa caacatagag gaagaatgaa aggaatatcc tatcgaggga   120

atcatatttg cttcggaaga tatgctcttc aagcacttga gccagcttgg ataacatcta   180

gacaaataga agcgggacgg cgggcaatgt cacgaaatgt tcgccggagt ggaccaataa   240

tggtacgct   249

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cctccg   126

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gagggtggga agcaaaagca aaagcagaat cctttggaa aattggactc cgagggcatc   180

tttgacatgg actacttttg ctcatcacca ccaccaccaa gggtgagaac tcaactagtc   240

cctttg   246

<210>   40675
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<212>   DNA
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<223>   Clone ID: 700940914H1

<400>   40675

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atgcccatgc aagctgggcc tcatgtatgg ggagccttac ttggtgtttg tcgcatacat   180

caaaatatta agatagggga gcttgccgct ctgaatcttt tcctgttaga ccctaatcac   240

gcaggg   246

<210>   40676
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<223>   Clone ID: 700940915H1

<400>   40676

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gtagttacac ctttatttag tgttttacca ctcttgtgtg ccagagtttt ctgagtttca   120

taggagaaga aaatgacaga agaacaaacc aaaacggctg agtcagaatc agtgacacca   180

ccacctgctg ctgctccttc acaggctcct ccagctgctg cggctgaaca tgttcctgag   240

gctccaa                                                              247


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<223>      Clone ID: 700940916H1

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ccatggtctg gagtcacaat gacaattgga tggtctctgg tgatgatgga ggcgcaataa   180

agtattggca gaacaacatg aacaatgtta aagccaacat atctgctcat aaagaatcag   240

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<223>      Clone ID: 700940917H1

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ggccaactat gagagaggtt actgctaagt tgaaggaaat caccgccatg gggccggacg   180

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taagtttaga c                                                        251


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16154

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tttcctcccc taaccctaat cttcgcgttt tctaattttc gcgcagttct ctctgtaaca   180

catccgcgat tcgcttcttc ttccgtacat ggctcaacca gacactctca ctatcactcc   240

caccagttct   250

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<223>   Clone ID: 700940919H1

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tcgataagat caccgagaag cttcacggcc acgattcttc ctcttcttcc tcttcggatt   180

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<223>   Clone ID: 700940920H1

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aaagtacatc acatcaatca agcagagctg ctcctgctgt tgtccatggg caggagcagg   180

gccttagcga cccagttcag ttgatgagaa tgttcgcaga aagggctcaa aagcaacaca   240

cttcttccaa t   251

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<223>   Clone ID: 700940921H1

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tcatcaccca agccgttcca ttcccgtcat tggcgacgcc gacaacggct acggcaatgc   120

catgaacctc aagcgaaccg tcaagggttt cattgccgcc ggtttcgcag gaatcattct   180

ggaagaccag attgcgccga aagcgtgtgg gcacacgcgc gggaggaaag tgataccgag   240

agaggaggg   249

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<223>   Clone ID: 700940922H1

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gatca   125

<210>   40684
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<223>   Clone ID: 700940924H1

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catccctctc ttgaccctcg cacatgaaga acactagcag caacacaaaa ctaatccttc   120

tccacccata tatccagaaa caaggaagct caaaccgctt atggcttcta gccttcatat   180

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ccactacc                                                           248


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<223>      Clone ID: 700940925H1

<400>      40685

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gcgg                                                               124


<210>      40686
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<223>      Clone ID: 700940926H1

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ggtgc                                                              125


<210>      40687
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<223>      Clone ID: 700940927H1

<400>      40687

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caagctcaat ggttatggct atgacaatct catccttaga gttgaatggg caaccccaag   180

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16157

tgta

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<400>      40688

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cttca                                                                  125
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<223>      Clone ID: 700940929H1

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acattaagga gttcttttca ttttctggtg atattgaata tgttgaacta cggagccatg     180

atgaacgatc tcaaattgct tatattacct tcaaggattc acagggagct gagactgcac     240

tactg                                                                  245
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<223>      Clone ID: 700940902H1

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ggcgatgaag ttgttggagg ataagccagg gcagcagagc acgattgcag ggattgaggc     180
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acgaatggga gtgatgtatt acatgattgg gaggtatgag gactcaagga actcgtttga   240

gagtgctgtg gc   252

<210>   40691
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<223>   Clone ID: 700940930H1

<400>   40691

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aatgagcaca tccaagatgc acagaacacc cttcacaagc cacttctatt tgcggagttt   180

ggtatttcca caaagagtta tggtcgcaac tcaacaccaa gggatcggtt attcaacacg   240

gtatat   246

<210>   40692
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<223>   Clone ID: 700940931H1

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actcaacaac tatgcaacag aatggttcat catcatgtca atgtccgctg caacctgttc   180

catagcatgt cctttcttgg tcgttttatt tgggacagga tccttctctg ctctcttgga   240

aggcctt   247

<210>   40693
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<212>   DNA
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<223>   Clone ID: 700940932H1

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ctcctccaca cctattttg caactgtttc ttgattctct cagcaaatgc aactgctttt   180

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ctca   244

<210>   40694
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<223>   Clone ID: 700940933H1

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taagcgagct gatctaccaa aatcatgtac catgcaattc cccaatggca aagatgacct   120

gat   123

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gtttgca   247

<210>   40696
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<223>   Clone ID: 700940901H1

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caatgggtgg tttccctcac tatggtgttg ttaaggatga ttttatcatg gtcaagggat   60

gctgtgttgg tcccagaaga gggtcattac attgcgtcaa tccctcctta agcagacttc   120

tcgtgttgct cttgaggaga tcaaactcaa gtttatcgat acctcttcaa agtttgggca   180

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atgttaattg g   251

<210>   40697
<211>   166
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701037027H1

<400>   40697

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ggtacctgca ggcgtaccag ctttccctat agtgagtcgt attagagctt ggcgtaatca   120

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<210>   40698
<211>   145
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701037050H1

<400>   40698

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tatagtgagt cgtattagag cttggcgtaa tcatggtcat agctgtttcc tgtgtgaaat   120

ngttatccgc tcacaattcc acaca   145

<210>   40699
<211>   68
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

16161

<223>   Clone ID: 701037344H1

<400>   40699

gtcgcnngca cgcgtacgtn agctcggaat tcggctcgag gggattccca aaggcnaaaa   60

anaaaaaa   68

<210>   40700
<211>   50
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701037876H1

<400>   40700

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<210>   40701
<211>   134
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701037940H1

<400>   40701

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ccgatctagt gagctccgtc gacccgggaa ttaattccgg accggtacct gcaggccgta   120

ccagctttcc ctat   134

<210>   40702
<211>   136
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701038012H1

<400>   40702

tcncncncnc gcntacgtta gctcggtatt ccgagcttgg ntcctctaga gcngccgcnc   60

gactagtgag cttcgtatac ccgggatttn attccggacc ggtaacctgc nggcntaacc   120

anctttnccc tatagt   136

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<210>      40703
<211>      219
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 701038165H1

<400>      40703

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cagacgacta gtgagntcgn cgacncgggn nttaattcnc ggaccggtac ctnacaggcg    120

taccagcttt ccctatagag agtcgtatta gagcttggcg taatcatggt catagctgtt    180

tcctgtgtga aattgtnatc cgctcacaat ttcacanna                          219


<210>      40704
<211>      316
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 701038265H1

<400>      40704

nngnnngcag cgtacgtaag ctcggaattc cgagcttgga tcctctagag cggccgccga     60

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tccctatagt gagtcgnatt agagcttggc gtaatcatgg tcatagctgt ttcctgtgtg    180

aaattgttat ccgctcacaa ttccacacaa catacgnntc nnannnnnnn nnnnnnnnnc    240

nnnnnnnnnn nannnnnann nnnnannnnn nnntnnnnng gnnannanng ggnnnnnnnn    300

tgggcannnn nnnnnn                                                    316


<210>      40705
<211>      162
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 701038310H1

<400>      40705
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actagtgagc tcgtcgaccc gggaattaat tccggaccgg tacctgcagg cgtaccagct   120

ttccctatag tgagtcgtat tagagcttgg cgtaatcatg gtcatagctg tttcctgtgt   180

gaaattgtta tccgctcaca attccacaca acata   215

<210>   40709
<211>   217
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701039077H1

<400>   40709

acgtcgcang cacgcgtacg taagctcgga attccgagct tgnatcctct agagcggccg   60

ccgactagtg agctcgtcga cccgggaatt aattccggac cggtacctgc aggcgtacca   120

gctttcccta tagtgagtcg tattagagct ggcgtaatc atggtcatag ctgtttcctg   180

tgtgaaattg ttatccgctc acaattccac acaacat   217

<210>   40710
<211>   237
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701039165H1

<400>   40710

attttanagn cgcangcacg cgtacgtaag ctcgggaatt ccgagcttgn gatcctctag   60

agcggccgcc gactagtgag ctcgtcgacc cgggaattaa ttccggaccg gtacctgcag   120

gcgtaccagc tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggtcatagct   180

gtttcctgtg tgaaattgtt atccgctcac aattccacac aacatacgcg nnncccn   237

<210>   40711
<211>   179
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701039235H1

16165

<400>   40711

gtcncangca cgcgtacgta agctcgggcc gactagtgag ntcgtcgacc cgggaattaa   60

ttccggaccg gtacctgcag gcgtaccagc tttccctata gtgagtcgna ttagagcttg   120

gcgtaatcat ggtcatagct gtttcctgtg tgaaatngtt atccgctcac aattccaca   179

<210>   40712
<211>   174
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701039319H1

<400>   40712

gcangcacgc gtacgtnagc tcggaattcc gagcttggca tcctctagag cggccgccga   60

ctagtgagct cgtcgncccg ggaattaatt ccggaccggt acctgcaggc gtaccagctt   120

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<210>   40713
<211>   179
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701039339H1

<400>   40713

tcgcangcac gcgtacgtaa gctcggccga ctagtgagcn ccgtcgaccc gggaattaat   60

tccggaccgg tacctgcagg cgtaccagct ttccctatag tgagtcgtat tagagcttgg   120

cgtaatcatg gtcatagctg tttcctgtgt gaaatngtta tccgctcaca attccacac   179

<210>   40714
<211>   57
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701039490H1

<400>   40714

gtctcnngca cgcgtacgtn agctcggaat tcggctcgag ntaaaaaaaa aaaaaaa   57

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<210>      40715
<211>      53
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 701039640H1

<400>      40715

gnantgagcg tacgtngctc ggaattcggc tcgagntaaa aaaaaaaaa aaa          53


<210>      40716
<211>      221
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 701039666H1

<400>      40716

cccgaanagt cgcangcacg cgtacgtnan ctcggaattc cgagcttgng atcctctaga   60

gcggccgccg actagtgagc tcgtcgaccn nggaattaat tccgggaccg gtacctgcag  120

gcgtaccagc tttccctata gtgagtcgta ttagagcttg cgtaatcat ggtcatagct   180

gtttcctgtg tgaaattgtt atccgctcac aattccacac a                      221


<210>      40717
<211>      59
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 701039718H1

<400>      40717

tacgtnagct cggaattcgg ctcgagccgg cctttacgga aaaaagaag aaaaaaaan     59


<210>      40718
<211>      208
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 701039810H1
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16167

<400>   40718

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gtgaaatttt atccgctcac aattccat   208

<210>   40719
<211>   313
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701039938H1

<400>   40719

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gttgtacgga aggccttcnt gccangtgtg ncgtgattgc cgggtatanc agacagtant   120

tcgaaggnat gggagaatta catnttgaaa tgcattgttg ntacggngca aangagantt   180

taaggtggaa gntaacgttg gtgcccccca agnaaactna cagggagngc atttccaaaa   240

tgctcagaag tgaagtatgt gcacaagaaa cantccaggt ggncagggtn agtttgcaga   300

tgtcatgtcc ggt   313

<210>   40720
<211>   317
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701040024H1

<400>   40720

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gnnagagagg aaggaanaag nanagnaang gnggagaggn anangaggac taggagcgan   120

aagganagng agggcnnggc aaggagngga gnaaagaagg agaaggggna agnaaggagn   180

gaaaangcng aannggaagn agacnnnggn agggaaagag gagnaaaagg gatananaca   240

cnngacnaag naaaganana aaggngagga gnagagaagn aagnggnaag aganaanang   300

agaagcaaan ggnagcc   317

<210>   40721
<211>   195
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701040203H1

<400>   40721

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cgacccggga attccggacc ggtacctgca ggcgtaccag ctttccctat agtgagtcgt   120

attagagctt ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca   180

caattccaca caaca   195

<210>   40722
<211>   52
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701040214H1

<400>   40722

naagctcgga attcggctcg aggttctaga tcgcgagcgg gcccttttttt tt   52

<210>   40723
<211>   64
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701040221H1

<400>   40723

gctcgcacgc gtacgtnagc tcggaattcg gctcgaggaa tccattgaga gaaaaaaaaa   60

aaan   64

<210>   40724
<211>   184
<212>   DNA

16169

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701040223H1

<400>   40724

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ccggaccggt acctgcaggc gtaccagctt tccctatagt gagtcgtatt agagcttggc   120

gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa ttccacacaa   180

cata   184

<210>   40725
<211>   210
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701040589H1

<400>   40725

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actagtgagc tcgtcgaccc nggaattaat tccggaccgg tacctgcagg cgtaccagct   120

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gaaattgtta tccgctcaca attccacaca   210

<210>   40726
<211>   310
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701040681H1

<400>   40726

agacaaatcg nggtgnnggn ntntagangn gngtgnngng gannggngn cnngannnnn   60

gancgnngat nngnntnngn nnnnnntnnc caangnnana nanannnggn ngangngcgn   120

ngtgntngng cnnggannnn gnncangcta tngncaggtn angggccntg nnnnctcaga   180

gnnanctnnn aactgnncag cngaantgac gggaagagan ttgtatctgn tnnttggggt   240

tngganancng gtcaaaaacc ttntgtgtgg natnagctga gcccagangg tgacagacct   300

nctggganaa   310

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<210>        40727
<211>        217
<212>        DNA
<213>        Glycine max

<223>        Clone ID: 701040815H1

<400>        40727

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ttcagtgatg ttctttggaa agtgacaagg tatataaaag atggtgaaaa acccagaatc   120

accttcagtt accacagtta tgatggtgaa ggaggatttc ctggggacct cctagtaact   180

gtgagctaca ttcttgggaa aaactcattg aggataa                           217


<210>        40728
<211>        152
<212>        DNA
<213>        Glycine max

<223>        Clone ID: 701040849H1

<400>        40728

aattccgagc ttggatcctc tagagcggcc gccggactta gtgagcttcg ttcgacaccg   60

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tattagagct tgggcgtaaa ttcatggtca ta                                152


<210>        40729
<211>        218
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: 701041055H1

<400>        40729

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canagttnct ctgcagantt gcntcaaatt cnangtttgn cngancaana tnnngcatgc   120

cngattnnnc agacgntcnt anggnannga cccnnattgg naattccgcg tcgtctntna   180
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16171

gnggcntncn agntgntgcc ggnatnatnt ctgatttg   218

<210>   40730
<211>   188
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701041074H1

<400>   40730

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attccggacc ggtacctgca ggcgtaccag ctttcccctat agtgagtcgt attagcagtt 120

gggcgtaatc anggtcatag ctgtttcctg tgtggaatng ttatccgctc accattccac 180

acaacata   188

<210>   40731
<211>   214
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701041117H1

<400>   40731

ncgnngnnnn ntnggaattc cgagcttgna tcctctagag cggccgccga ctagtgagct   60

cgtcgacacg ggaattaatt ccggaccggt acctgcaggc gtaccagctt tccctatagt 120

gagtcgtatt agagcttggc gtaatcatgg tcatagctgt ttcctntgtg aaattgttat 180

ccgctcacaa ttccacacaa catacgngnn nncc   214

<210>   40732
<211>   221
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701041136H1

<400>   40732

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cgactagtga gctcgtcgac cacgggaatt aattccggac cggtacctgc aggcgtacca 120

gctttccccta tagtgagtcg tattagagct ggcgtaatc atggtcatag ctgtttcctg   180

tgtgaaattg ttatccgctc acaattccac acaacatacg n   221

<210>   40733
<211>   215
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701041147H1

<400>   40733

cacgcgtacg taagctcgga attccgagct tgngatcctc tagagcggcc gccgactagt   60

gagctcgtcg accacgggaa ttaattccgg accggtacct gcaggcgtac cagctttccc   120

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tgttatccgc tcacaattcc acacaacata cgnnn   215

<210>   40734
<211>   208
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701041307H1

<400>   40734

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gactagtgag ctcgtcgacc cgggaattaa ttccggaccg gtacctgcag gcgtaccagc   120

tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggtcatagct gtttcctgtg   180

tgaaatgtta tccgctcaca attccaca   208

<210>   40735
<211>   207
<212>   DNA
<213>   Glycine max

<223>   Clone ID: 701041339H1

<400>   40735

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cgactagtga gctcgtcgaa ccgggaatta attccggacc ggtacctgca ggcgtaccag   120

ctttccctat agtgagtcgt attagagctt ggcgtaatca tggtcatagc tgtttcctgt   180

gtgaattgtt atccgctcac aattcca   207

<210>   40736
<211>   219
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701042162H1

<400>   40736

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gccgccgact agtgagctcg tcgacccggg aattaattcc ggaccggtac ctgcaggcgt   120

accagctttc cctatagtga gtcgtattag agcttggcgt aatcatggtc atagctgttt   180

cctgtgtgaa attgttatcc gctcacaatt ccacacaac   219

<210>   40737
<211>   319
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701042237H1

<400>   40737

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cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct tcactgactc   120

gctgcgctcg gtcgttcggc tgcggcgagc ggtatcagct cactcaaagg cggtaatacg   180

gttatccaca gaatcagggg tggcacgcag gaaagaacat gtgagcaaaa ggccagcaaa   240

aggccaggaa ccgtaaaaag ccgcgttgc tggcgttttt ccataggctc cacacatcat   300

agannnngac antggntcn   319

<210>   40738
<211>   65
<212>   DNA
<213>   Glycine max

<400>   40738

cgtcgctngc acgcgtacgt aagctcggaa ttcggctcga gnaattcagg aaaaaaaaaa   60

aaaaa   65

<210>   40739
<211>   298
<212>   DNA
<213>   Glycine max

<400>   40739

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gctttcccta tagtgagtcg tattagagct ggcgtaatc atggtcatag ctgtttcctg   120

tgtgaaattg ttatccgctc acaattccac acaacatacg accntaacgn tgngngncgn   180

ngngnggngn nggangnntn gnaagnngag nnggngtngg ggnnnggggg tnttgnnnnc   240

ggngnntcgn nnnngggnnn agtngtgaac ccccngnan gggtnctggn nntttnnt   298

<210>   40740
<211>   226
<212>   DNA
<213>   Glycine max

<400>   40740

ncgtcgcang cacgcgtacg taagctcgga attccgagct tgggatcctc tagagcggcc   60

gccgactagt gagctcgtcg acccgggaat taattccgga ccggtacctg caggcgtacc   120

agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct   180

gtgtaaattg ttatccgctc acaattccac acaacatacg cnnnnn   226

<210>   40741
<211>   166
<212>   DNA

16175

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701043413H1

<400>   40741

ntcgcangna cgcgtacgta agctcgggcc gactagtgag ctcgtcgacc cgggaattaa   60

ttccggaccg gtacctgcag gcgtaccagc tttccctata gtgagtcgna ttagagcttg   120

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<210>   40742
<211>   77
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701043518H1

<400>   40742

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tttttttttt tttttn   77

<210>   40743
<211>   177
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701043595H1

<400>   40743

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ttccggaccg gtacctgcag gcgtaccagc tttccctata gtgagtcgta ttagagcttg   120

gcgtaatcat ggtcatagct gtttcctgtg tgaaatngtt atccgctcac aattcca   177

<210>   40744
<211>   181
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 701043638H1

<400>   40744

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ttccggaccg gtacctgcag gcgtaccagc tttcccnata gtgagtcgta ttagagcttg 120

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a   181

<210>   40745
<211>   63
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: 700966995H1

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gnncncgtnc gnccggnn   139

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<223>   Clone ID: 701042913H1

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cgaacatacc tgaactgtgc cacatggcac accggaaggg agtgacggtg gtggtggaca   180

acacgttcgc gcccatggtg c   201

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<223>   Clone ID: 701041545H1

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agcgcgccct cgactggggc cccggtggtg acccgacct catcgtcgac gacggtggtg   180

acgctaccct tctcatccac gaaggcgtca aggccgagga gctctatgag aagaccggcg   240

aactccccga ccccaactcc accgacaac   269

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ctgactgtgg tctcaagacc cgcaagtaca ctgaagtgaa gccagccctc acaaacatgg   180

ttgccgcagc aaaactcatc cgtaacgaac ttgccaagtg aatggtataa gaaagtagaa   240

tctacaagtt cattggttct gctttataa tacaccaaag aaaaattttc tata   294

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<223>   Clone ID: 701040251H1

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aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc   180

ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcaccaaaac caacttggtc   240

atggtcttcg gagaaatcac gaccaaggcc aacgttgact acgagaagat agtgcgt   297

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<223>   Clone ID: 700967039H1

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gcccttgtca gtgtttgtgg acacttatgg aactgggaag attcctgaca aggagattct   180

tcaaattgtg aaggagaatt tcgacttcag acctggaatg atcaccatta acttggacct   240

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<223>   Clone ID: 701041675H1

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ctctttcctc tcccacgcgc tctcgaaccg tcgcaatggc cgtatccgtc gaccccaaga   180

ccgacaacaa actcactctt accaagtccg aggaagcttt cgctgctgcc aaggagctga   240

tgcctggagg tgtcaac   257

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16179

<211>   249
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<223>   Clone ID: 701042351H1

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gaagaaagga accagctttg gtgcaccctg tctgctggaa aacactttgg cagagctggt   120

tatcgatgcc gtccccagca ttgaaatggt tcggtttgtc aattcaggca ctgaagcttg   180

catgggtgcg ctccgtctgg cccgtgctta taccggaaga gagaagatca tcaagtttga   240

gggctgtta   249

<210>   40754
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: 701040274H1

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actttgacac cattggccat tgagttaagt aagccacatc ctcagggtga agaatatggt   120

cctgttagcg aagtctacgt gcctgccagc gaaggagtgg aagcttatat ttggttactg   180

gcaaaggctt atgttgttgt gaatgatgca tgctaccatc aaatcattag ccattggcta   240

agcactcatg caattgttga gccatttgtc atagcaacaa acaggcaact gagt   294

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<223>   Clone ID: 701043046H1

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gtaaagagag gagttgctgt taaggaccca tctgctcccc atggagttcg tcttttgatt   180

gaggac   186

<210>   40756
<211>   158
<212>   DNA
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<223>   Clone ID: 701037401H1

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gtcatttaca aggactgggt tttcactgat caagcattac ctaatgatct tgtaaagaga   120

ggagttgctg ttaaggaccc atctgctccc catggagt   158

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<212>   DNA
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<223>   Clone ID: 701039015H1

<400>   40757

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tcaaaggccc atggagcgcc gaagaggatc ggatcctgac cggactcgtc gaacgatacg   180

gcccacgaaa ttggtccctc atcagccgct acattaaggg aaggtccggc aagtcatgcc   240

ggctccgatg gtgcaatcag ctta   264

<210>   40758
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<223>   Clone ID: 701042608H1

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aactcaccaa caacaaccgc tccatctttt ccctttgacg acccaactat tccatgggcg   180

aaacgaaaac gttcaaagcg ttctcgcgac catccttctg aagaagagta cctcgccctc   240

tgcctcatca tgctcgctcg cggcggcacc ac   272

<210>   40759
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<223>   Clone ID: 701041839H1

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gtttagtccc tttgaagaaa ccaacctcag ttacttggag acaccgtgga ccaaaggaaa   180

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tacctcgctc tctgtctcat catgctcgct ca   272

<210>   40760
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<223>   Clone ID: 701042926H1

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cgaggctctg cagaagctgg tggagaaaca cgggcccagg aactggtctc tgatcagcaa   180

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<223>   Clone ID: 701038462H1

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ccagcagagc tccttataat cagggtcctt ttgaagaagg agatgctggg aagtcttctg   180

aaagacgcag ttatggtgga ccacgagttc cttaccgtgg tggtcgtcgt ggag   234

<210>   40762
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<223>   Clone ID: 701039421H1

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aaggacgacc tcgaagagca tttgatcgtc gcagtgggac tggacgagga aatgaattca   180

aacgtgaagg ttcaggacgt ggtaactggg agcccaaac tgatgaactt gctcaggtaa   240

ctgatgaggt tgcgaatgaa actgaaa   267

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<223>   Clone ID: 701036956H1

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gaagaagaag aagaaacaaa accgaaccac tttcaactct ccaacgtcgc cacacgattc   120

atcgcgtttc gcaggctgca atggcgacgt cgaactgta ccgcaggtcg acgatcggaa   180

tgtgcctgac ggagacgctg acgagatgg ttcagaacgg cactctcagc cccgagctcg   240

cgattcaggt tctggtccag ttcgataagt ccatgactga ggctctgga   289

<210>   40764
<211>   274
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<213>   Glycine max

<223>   Clone ID: 701041532H1

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aagaagaaga agaaacaaaa ccgaaccact ttcaactctc caacgtcgcc acacgattca   120

tcgcgtttcg caggctgcaa tggcgacgtt cgaactgtac cgcaggtcga cgatcggaat   180

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gattcaggtt ctggtccagt tcgataagtc catg   274

<210>   40765
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<223>   Clone ID: 701042075H1

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accatcgacc atgtgatttc gtggaacgat tctggatcgt ccttcatcgt ctggaacacc   180

accgctttcg ccaaggattt gcttcctaaa tatttcaagc acaacaactt ctccagcttc   240

gttcgccaac tcaacact   258

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<223>   Clone ID: 701038289H1

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gatcctgaag gctcacgcca ggttcgggaa caagtgggcc accatcgcgc gcttcctcaa   120

tggccgcacc gacaacgcca tcaagaacca ttggaattcc accctcaaga ggaagcgctc   180

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cggatccgat ttgagcgatt cgggtttacc c   271

<210>   40767

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<211>      284
<212>      DNA
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<223>      Clone ID: 701038255H1

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tggagacgtt gcgggtttag ttctaagggg tggttctggc cttgggtttt tggaacgtac   180

ggtgtcgttt tggggttggg aaaacaaatt ctgagagatg gcaaccacga acccttttga   240

tttgttgggt gacgacgctg aggacccttc tcagctcatc gccg                    284


<210>      40768
<211>      238
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<223>      Clone ID: 701038727H1

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agatggcaac cacgaaccct tttgatttgt gggtgacga cgctgaggac ccttctcagc   120

tcatcgccgc cgagcaactc aaggcggcgg ctgcggcctc ggcggccacc gcggctccca   180

agaaggcgcc ggctcagcag aacaagccgg ctcagctccc taccaagccg cctcctcc     238


<210>      40769
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<213>      Glycine max

<223>      Clone ID: 701042306H1

<400>      40769

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cgtcccactc cggcggcgac gacatggggt cgacatcgac gggatcgatg gacgcggcaa   120

cggcggcggg cgctgatata tcgggcgaga acgagaaatt gaagaaggac aacgagaaat   180

tgagcggcga gttagcgctg gcgaagaaac aatgcgagga gttggtggcg tttcttagag   240
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16185

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tgagaagact gtgtatttgg tggatcagct cactgctgac aacaagatct atcacaaatc 120

atgtttcaga tgctaccact gcaagggtac ccttaagttg agtaattatt gttcctttga 180

ggtgttttta tactgtaagc ctcattttga tcaactcttt aagaagactg gcagcttgga 240

caaaagtttt gaaggtattc caagaactgc aagacttgaa agatctgccg a   291

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<223>   Clone ID: 701037159H1

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cgatgagaat ggccttaaga aaggtccctg gactcccgaa gaagatcaga aactagtcca 120

acacattcag aaacatggcc atggaagttg gagagccctc cctaagttag ctggtctcaa 180

tagatgtgga aaaagttgta ggctaaggtg gactaactat ttaaggcctg atatcaagag 240

ggggaatttt ctcaagaaga ggagc   265

<210>   40772
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<223>   Clone ID: 701041007H1

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tgagaatggc cttaagaaag gtccctggac tcccgaagaa gatcagaaac tagtccaaca   120

cattcagaaa catggccatg gaagttggag agccctccct aagttagctg gtctcaatag   180

atgtggaaaa agttgtaggc taaggtggac taactattta aggcctgata tcaagagggg   240

gaagttttct caagaagagg agcaaacaat tctgcatctc cattcca   287

<210>   40773
<211>   295
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<223>   Clone ID: 701039535H1

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gcggcggcgg cggggactcg agcaataagc accctttgta ccgcggcgtg cggatgcgga   240

actgggggaa atgggtgtcg gaaatccgcg agccgcggaa gaagtcgcgg atatg   295

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<213>   Glycine max

<223>   Clone ID: 701042245H1

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aagatgacca actagccaat atgaccaccg acgacatcgt cagagcttct cgtcttctcg   180

acaacgagat tcgcatcctc aaggaagagt tgcagaggac caatttggaa ttggaatcgt   240

acaaggacaa gatcaaggag aatcaggaga ag   272

<210>   40775
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16187

<223>   Clone ID: 701042960H1

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agctaagggc ctgcaataaa ttctcatgct ggagatattg aacttcgaac cattgttgac   180

aatttcatga cgcag   195

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<223>   Clone ID: 701038060H1

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tggagctcaa ctgaaggctg ttgtgttgag ctggcatgt tggctctacg ccgtgatgca   180

actgaggtga accatgagga ctttaatgaa ggtattattc aagtccaagc aaagaagaaa   240

gcaagcctca attattatgc ataggctgga tttt   274

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<213>   Glycine max

<223>   Clone ID: 701038688H1

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ggaagccgga cggcggcgac aagaaggaga agaagttcga gccggcggcg ccgccagcac   180

gcgtggggcg gaaacagcgg aagcagaagg cccggaggc cgcggcgcga ctgccgacgg   240

tgact   245

<210>   40778

16188

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<223>        Clone ID: 701043485H1

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tgctggattg ggagttcttg accgctctcc tccttttttag ttcttcccct taatcttctt   180

tcttcacaat ttttatttcc ttccttatta gacgtattag atcagattga acaaaa        236


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<223>        Clone ID: 701043135H1

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tctttgccaa gacaaagaag aaaaatggtg aggggga aaa ctcatgaagc gcatagaaaa   180

tgagacgagt aggcaagtaa cgttctccaa gagaaggaac gggttgctca agaaggcctt   240

t                                                                    241


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<211>        270
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agttcttaac cgctctctcc tttttagttg ttccccttaa tcttgttcct tcatattttt   180

tttttttctt attagatcag attgaacaaa agggttgctc tttattttttt aatcttgggg   240
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16190

gaataatagt attagaacta agaaaagatt   270

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aagatggaat tctgtatccc cttgagaaga gcttcttctt tctacctaaa cctcccactc   120

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atattcagag aaatgagtac cacaatttgt t   271

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cgaaaggtcc atggacagag caagaggatt ctcttctctt caattacatc actgtccacg   120

gcgaaggtca ctggaactct gtcgctcgct acacaggcat gcaaagcatt aattatattc   180

atcatcttaa tcctagcttc tttcttactc acactcatca cgttttcaat cacaggtcta   240

aaacgaacgg gcaaaagctg cagattaaga   270

ctcgagcgtt gtgccatttc ttctctcaat aaacttctat tgatgccccg ctccacgttc   60

cattcttcag tatcctttgt agtttgaacc ttcctcacac tcccacttcc gaaaccaatc   120

aaagagagag agagagagag atgggtagag ctccttgttg tgacaaggca aatgtaaaga   180

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<223>     Clone ID: 701038959H1

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<223>     Clone ID: 701041739H1

<400>     40788
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gtttagtccc tttgaagaaa ccaacctcag ttacttggag acaccgtgga ccaaaggaaa   180

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<223>     Clone ID: 701037760H1
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16192

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gaactgccac tccatcgttt agtccctttg aagaaaccaa cctcagttac ttggagacac   180

cgtggaccaa aggaaagcgt tctaagcgta gcgcatggag cagcaactgc aacactcttc   240

atgcaccgag gaagagtacc tcgctctctg tct                               273
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<223>   Clone ID: 701038122H1

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cgtttagtcc ctttgaagaa accaacctca gttacttgga caccgtgg accaaaggaa    180

agcgttctaa gcgtagccgc atggagcagc aactgcaaca ctcttcatgc accgaggaag   240

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<223>   Clone ID: 701040129H1

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tgaagaaacc aacctcagtt acttggagac accgtggacc aaaggaaagc gttctaagcg   180

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aagcacaaac tcaagcgtct tgttcagtca ccaaactctt tcttcatgga tgttaagtgc  180

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aactgccaga ctgttttgtg ccaaccaaca ggg                                273


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ctgagttgga gaagagaaag cacaagctca agcgtcttgt gcagtcacca aactctttct  180

tcatggatgt taagtgccag ggctgcttca acataacaac tgtgtttagc cactctcaga  240

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<223>      Clone ID: 701038681H1

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ttacagcctc agcggaaaaa tcatgctttc agcaataatc cttcttttct tcgtcgtcgt  180
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gctccggcg   249

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<223>   Clone ID: 701042157H1

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gctcagtggg cacagggtat tggagtggtt aaacaaccga tggaaggttc aaagcctcct   180

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aactgcccaa ggtg   254

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<223>   Clone ID: 701037531H1

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<223>   Clone ID: 701041921H1

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16195

agctgtacct caacgtggaa gctgagaacg cgattctgag ggctcaaatg gaagaactga   180

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<223>   Clone ID: 701042734H1

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aggaagcacc caaaacacca gatcctaaga cactaagaag acttgctcag aatagagaag   180

cagcaaggaa aagcaggctc aggaaaaagg cgtacgttca gcaactagag tcaagtagga   240

ttaagcttaa tcagat   256

<210>   40799
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<223>   Clone ID: 701040904H1

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atatcttatt tagggttttt gtgactgtgc tccacaaccg agtcgccatg gcgtcgcagg   180

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tgagatccat tcaggccgat actccttatt gttgcctcgc   280

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<223>   Clone ID: 701036975H1

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cctgaaaaca acatagcttc ctcagaaggg gctactgatc aagacaatga tataaaccca   180

aataatgttg aataccctcc acctccttct tcatcacgat cagaggatca gaagccatct   240

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<223>   Clone ID: 701041521H1

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tgatgttcaa gagtctgata acattaacaa taataataat aaatgggaag agtcacagga   240

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<223>   Clone ID: 701041243H1

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tgttcccaca cctccacatc actgaaatca tcatcaccag cttcttccgc cacaagtctt   180

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<223>   Clone ID: 701042768H1

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<223>   Clone ID: 701038730H1

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<223>   Clone ID: 701037074H1

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16198

aaaacgacaa tc   252

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<223>   Clone ID: 701038758H1

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<223>   Clone ID: 701042583H1

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ggtgcaggaa actggattgc aattaaagca gattaataat tggtttatca atcaaaggaa 180

gaggaattgg cacagcaatc cttcaacttc aactgtcttg aagagcaaac gcaaaaggta 240

ttcccatcaa aactagtaat ttgtaa   266

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<223>   Clone ID: 700966971H1

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actgaaagat ctttgatgga gcgtgtgagg caggagctga agcatgagtt aaaacaggt 180

tacaaggaca agattgtgga cataagagaa gaaatttt.ac gaaagagaag agcgggaaag 240

ctaccaggcg ac 252

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<223>   Clone ID: 701037153H1

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tgtttggtgt ttcattgtcg gatactctca aatctgactt cagctctccc tcatcgactt 180

gcaaaaggga attccaacaa aaatttggcc ctttgagggt tcagtcagtg gcaacaacaa 240

ctccaggagt caccaaggct tcaccagaa   269

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<223>   Clone ID: 701037485H1

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tgaggaggtg aagaagattg ttactacttt   150

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<212>   DNA
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<223>   Clone ID: 701038167H1

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ctcttcgacc ctaatcttcg cctatccctc tctccaccca aaccctcacg cgccgtcatc   180

gccatggccg gcaccgggaa gttctttgtt ggtggcaact ggaagtgtaa cggaacaaaa   240

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<223>   Clone ID: 701043447H1

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ggccggcacc gggaagttct tgttggtgg caactggaag tgtaaggaac aaaagactca   240

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<223>   Clone ID: 701039850H1

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gatttgccaa gtggaggaca gttgttagca ttccatgtgg tccttctgca ttagctgtcc   240

cggaagcagc gtgggggctt gcacgttatg ctgcta   276

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<223>   Clone ID: 701037190H1

16201

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accccaggaa agggtatcct tgcggctgac gagtcaacag ggacaattgg gaagcgtttg   180

gcgagcatca acgtggagaa tgttgaaaca aacaggcgca ttcttcgtga gctcctattc   240

actgcccctg gttgtcttga gcg   263

<210>   40815
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<223>   Clone ID: 701042664H1

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caccccagga aacggtatcc ttgcggctga cgagtcaaca gggacaattg ggaagcgttt   180

ggcgagcatc aacgtggaga atgttgaacc aaaaagggga atcctccgtg agctcctatt   240

cactgcccct ggttgtct   258

<210>   40816
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<223>   Clone ID: 701042223H1

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atatctcagt ggtgtcatcc tctttgagga aactctctac cagagcacag ctgcaggcaa   180

gccctttgtg gaagtcttga aggaggctgg tgttcttcct ggcatcaagg ttgacaaggg   240

cacagttgag cttgctggca ctaatggaga aac   273

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16202

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<223>       Clone ID: 701038194H1

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tggaaagggt attcttgctg ctgatgagtc aacagggaca attggcaagc gtttggccag      180

catcagtgta gagaacattg aatccaacag gcgagctctt agggagctgc ttttcactgc      240

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<223>       Clone ID: 701042141H1

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acaagtgtgc tgccgtcacc gagcgtgtcc ttgcagcatg ctacaaggct ttgaatgatc      180

accacgtcct tcttgagggt accctattga agccaaacat ggtcacccccc ggatccaatt      240

ctgctaaggt ttccccctc                                                    258


<210>       40819
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16203

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<223>   Clone ID: 701041476H1

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cccagggaag ggtatccttg ctgctgatga gtcaactggt acaattggca agcgattggc   180

cagcattaat gtcgagaatg ttgaagcaaa taggcgtgct cttcgtgaac tcctattcac   240

cacacctggt gcttttgagt gcc   263

<210>   40821
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<223>   Clone ID: 701040560H1

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aagcttggtc ggatttccag tatcagagac cgagttgaag acactctctc tgctcaccgt   180

aacgaactca tttctctcat ctccaggtat gtggctcagg ggaaagggat tttgcaaccc   240

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<212>   DNA
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<223>   Clone ID: 701037091H1

<400>   40822

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cctcctgaaa ctccctactc agaatttgag gacaagttcc aggagattgg tttggcgaga   120

16204

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gggcggggtg acaagcagag cgtgttcttg agtcaattca acttctcttg gatcttcttg    180

aggcccctga cccttgcacc cttgagactt tccttgggaag aattcctatg gtcttcaatg    240

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 701037195H1

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tcgcaaatgg atctcaacat tcgaagtctg gccatacccta gagacttaca ctgaggatgt    180

tgcccttgaa cttgccaagg agttgcaagc caagccagat ctgatcgttg gaaactacag     240

tgatggaaac attgttg                                                    257


<210>      40824
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<212>      DNA
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<223>      Clone ID: 701039594H1

<400>      40824

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ccttccaccc tgaaatcgaa gaactccttt ac                                   152


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<223>      Clone ID: 701042737H1

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cctcactgcc aacaggaatg aaattttggc ccttctgtca aggatcgaag ccaagggcaa   180

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<223>   Clone ID: 701037284H1

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ctcactgcca acaggacgaa attttggccc ttctgtcaag gatcgaagct aagggcaagg   180

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agaagcttac tgatggtgcc tttggaga   268

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16206

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cgtcgccatc gccgtcgcga ggctcggcgg aaaggcg   277

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<223>   Clone ID: 701041987H1

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ttcggctgag gaagctcgta agcaaatact gagcatttgg gagaacgctg atttgatcaa   180

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<223>   Clone ID: 701038169H1

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gatctagctt cggctctgaa tcccccttag caagagaggc aggaaatgtg cctgaaactg   180

ggtcactctc tattgtggtg cttggtgctt ctggtgatct tgctaagaag aagacatttc   240

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16207

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<223>   Clone ID: 701038338H1

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aatggccacc cctgccgaga aactctccgc tctcaaatcc gccgtcgccg gattgaacga   180

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<223>   Clone ID: 701043539H1

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ggaagcccgc tgagtttaga agtatcagac tgtatactat ctttatggtc tcatgttttt   180

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16208

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<212>   DNA
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<223>   Clone ID: 701040204H1

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atggggatgt ggcactcttc tttggactct caggtaccgg aaagaccact ctttcgaccg   180

atcacaatag gtatctaatc ggagatgatg aacactgttg gggtgacaat ggtgtctcca   240

acattgaagg tggttgctat gccaaatgca ttgacctctc acgggagaaa gagccaga   298

<210>   40835
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<212>   DNA
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<223>   Clone ID: 701042078H1

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atggggatgt ggcactcttc tttggactct caggtaccgg aaagaccact ctttcgaccg   180

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acattgaagg ttgttgctat   260

<210>   40836
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<223>   Clone ID: 701041607H1

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gaataacatg tggagtccag agtaccctac attagtttac aagaaagaat gagtaacctg   180

cagggttgat aactacaatt tccctctcga tgcatgtttg gttcgatcag gttgttcaca   240

gaatcctgtt tactggatta gatgatttaa a   271

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<223>   Clone ID: 701038703H1

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caaaacatca accccaaggt tctgaaatgt gagtatgctg ttagaggaga ggttgtcaca   180

cttgcccaga atttgcaaaa ggatttacag gccaatccag gttctcaccc atttgatgag   240

atact   245

<210>   40838
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<213>   Glycine max

<223>   Clone ID: 701037102H1

<400>   40838

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cattttgttg cagcatgtgg aaagatccaa agtcagttta cttcaggggc cagtagtata   120

gctcagaaag ctgcagttgc tgcattagga ctaggccatg ctggtgggga ggcagtttct   180

accatggtga aagcatttag ggagcgaagg gatttcttag tacaaagttt tagagaaata   240

gatggcatca agatatctga accccaggga gcattttatc tatt   284

<210>   40839
<211>   272
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<213>   Glycine max

<223>   Clone ID: 701039262H1

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attcgttcgc agaaacatgg cttcttcgtt tctatccgca gcttcgcacg ctgtctcacc   120

ctcttgttct ctgtccacca cgacaaggga aagcccatgc ttggaggcaa cactttgaga   180

tttcacaaag gacccaattc cttctctagt tcaaggtcta gaggtcggat ctctatggct   240

gttgcagtta atgtatctcg gtttgaaggc at                                 272
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<210>   40840
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<212>   DNA
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<223>   Clone ID: 701038869H1

<400>   40840

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aatggcaact gcaccatctg atgtgcttgc agttgagctt ctacaacgtg aatgccacat   120

caagcatccc ttaagagttg tgccattgtt tgagaagcta gctgatctag aggctgctcc   180

tgctgcttt                                                           189
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<210>   40841
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<213>   Glycine max

<223>   Clone ID: 701042717H1

<400>   40841

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ttgcatggac tcagacaagg tttcatcttc cagtgtggct aggctttgga gcagcattta   120

aagaagtcat tgagaaaaat gttaacaatc tcaatatgct gcaagagatg tacaatcaat   180

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aaattgctgg tctgaat                                                  257
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<223>	Clone ID: 701040960H1

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ttggagccta tatcatatca atggcaactg caccatctga tgtgcttgca gttgagcttc   120

tacaacgtga atgccacatc aagcatccct taagagttgt gccattgttt gagaagctag   180

ctgatctaga ggctgctcct gctgctttgg cacggttgtt ctcgatagac tggtatagaa   240

ataggatcaa tgggaagcaa gaagtg   266

<210>	40843
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<223>	Clone ID: 701038039H1

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aggcaattgg ctcctgccaa agtgagtgag gatgacaaac tgattgagta tgatgctctt   180

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gttcaagaag tgtatgaact ttcagctgag tatgaag   277

<210>	40844
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<223>	Clone ID: 701041573H1

<400>	40844

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catttggaga acaacacttg tgttttagaa cactacaacg tttcactgct gccactctag   120

aacatggcat gcacccccccg atttctccaa aaccagaatg gcgtgctttg atggatcaga   180

16212

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agtatttccg cctggctaca ccgga                                          265
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<210>      40845
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<223>      Clone ID: 701043122H1

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gagtatgatg ctcttctgct ggatcggttc cttgatatcc ttcaagattt acatggg       237
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<223>      Clone ID: 701043454H1

<400>      40846
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cgattgatgc tcagcttcgg ctgttggttc cggccaaagt gagtgaggat gacaaactgg    120

ttgagtatgt gctttgcttt tggatcggtt ccttgatatt cttcaggatt tacatgggga    180

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t                                                                    241
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<223>      Clone ID: 701040171H1

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atcgaccctc caatcccaga tcaatggatt cttccttcac aaaacctctc tttcccatac   120

tccttccctc actttctcca ggaggaaaat ttcaaccaca gtgaaggcta catctcgagt   180

cgacaagttt tcaaaaagcg atatcattgt ctctccgtcc attctttctg caaacttttc   240

aaaattggga gagcaggtg   259

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<223>   Clone ID: 701043561H1

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atcagacggc aagttgaacg gaattcttgg ttacactgaa gatgatgtgg tctccaccga   180

cttagttggt gataacagat caagtatttt tgatgcaaag gctggaatcg cattgaataa   240

gaattttgtg   250

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<223>   Clone ID: 701043647H1

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cagagagacg atgttgaact cgttgccgtt aacgaccctt tcatcaccac cgattacatg   180

acatacatgt ttaaatacga cagtgttcat ggacactgga agcatcacga tgtccccgtt   240

aaggacgag   249

<210>   40850
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16214

<223>   Clone ID: 701043292H1

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ttaacgatcc tttcattacc accgattaca tgacatacat gtttaaatac gacagtgttc   180

acgggcactg gaagcatcac gatgtcaccg ttaaggatga gaagaccct   229

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<223>   Clone ID: 701041622H1

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tacgacaacg agtggggata cagctcacgt gtcattgatc ttcctgtatt cgttgccaag   180

aagtctcttt aaggtgttac ttcaaagtat cttgtcttca cattattacc gtatgtttat   240

gtttagctgc gatttagtgt cttgctcga   269

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<223>   Clone ID: 701037342H1

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acgatccttt cattaccacc gattacatga catacatgtt taaatacgac agtgttcacg   180

ggcactggaa gcatcacgat gtcaccgtta aggatgagaa gacccttctc ttcggtgaca   240

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gaaggttatt atttctgccc ccagtaagga tgcccccatg tttgttgttg gtgttaacga   120

gcacgagtac aagccagagc ttgatattat ttccaatgct agctgcacaa ccaactgcct   180

tgctccactt gctaaggtta ttaatgacag gtttggcatt gttgagggtt tgatgaccat   240

gttcattcca tcactgccac ccagaagact gttgatgg   278

ctctctaata acatttctaa tctcattctc cttctgttca aacactctct ctcatggcat   60

cagataagaa gattaggatc ggcatcaacg ggtttggaag gattggccgt ttggtggcca   120

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ctgattacat gacatacatg ttcaagtacg acaccgttca tggccagtgg aagcatttt   239

gtcggtggat cgaaggtgtc ttccaagatt ggagttattg aatccttgtt ggagaaagtt   60

aatgttctct tgcttggtgg aggaatgatc tttacctttt acaaggctca gggttattca   120

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tgctgctgt   189

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actaagagga gcgtgggaac gttgaaggag ggtgatttga aggggaagag ggtattcgtg   120

agggtcgatc tgaacgtgcc tttggatgac aaccttaaca tcaccgatga cactagagtc   180

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agccatttgg acgtccaaa aggtgtaaca c   271

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gggtattcgt gagggtcgat ctgaacgtgc ctttggatga caaccttaac atcaccgatg   180

16217

acactagagt ccgtgctgct gttcccacca tcaagtactt gactggttat ggtgctaaag   240

tgatcctttc tagccatttg ggacgtccaa aaggtgtaac a   281

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<223>   Clone ID: 700966925H1

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gggtattcgt gagggtcgat ctgaacgtgc ctttggatga caaccttaac atcaccgatg   180

acactagagt ccgtgctgct gttcccacca tcaagtactt gactggttat ggtgctaaag   240

tgatcctttc tagccattt   259

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<223>   Clone ID: 701038580H1

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gggtcgatct gaacgtgcct ttggatgaca accttaacat caccgatgac actagagtcc   180

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<223>   Clone ID: 701037523H1

<400>   40861

16218

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gaacgtgcct ttggatgaca accttaacat caccgatgac actagagtcc gtgctgctgt   180

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<210>   40862
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<223>   Clone ID: 700967038H1

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<223>   Clone ID: 701036988H1

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ctcggcccgg gcaacgaaat gggccgtgga cagctggaag tcaa   284

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<213>   Glycine max

<223>   Clone ID: 701040351H1

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cggggacaat atcgacgagt tggagcctgg acagctggag ggcgaagaag gcgcttcagc   180

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ccccaatcgt cttcgccggc gaggcgagga atctggag   278

<210>   40865
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<223>   Clone ID: 701037327H1

<400>   40865

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cacggtgttt cctctgccac cgttggtgtt tcaacacttg cccatgatct ctttcacttt   180

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<223>   Clone ID: 701042739H1

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ctaattggta tagaaagtta gtagatgctt ggaaagaggc aaaacctcct cctaagacac   120

ctgaagaagc agctagactt gtcattcaga ccttgagaag acatcaaaaa gcagatgttg   180

agggattgtt ggctttctat ggtcttcctc taccacacac actggttcaa ggaactaccc   240

aacccctttc atcc   254

<210>   40867
<211>   432
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001a02d1

<400>   40867

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tttcggttat aacgtgtatt tacataacgt gccgattata tcttcatcac aaaatggtca   180

acaacaattc cgagcatcat gtcatccact actcacactt agctgctgct ccctctccgt   240

aacactataa tttctcgagg gcaatttcgt cacaaaaaaa tgcgtagtag tgttcccaga   300

tgcttaaaaa agtagtacga aaaaaattgc ggaaaaccag atctccctgc atgaatcagg   360

caacctccgg gagaggaggc acgttcaggt caagatcaaa gagcacgcgg cggttgtaat   420

cggaatctga gt   432

<210>   40868
<211>   567
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910001a03d1

<400>   40868

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atcagtatct tccaaaaaca agtgaaacat ctctattggc atgggcacaa catccagacc   180

aggcaagcat cattgttttc ctgattccca aacaattctt aagatcaatc tattcagcac   240

ccaccataca aggtacaagt acatacaatc accatgtgac agaatatata tacctctcaa   300

ttaccaaaca tgtaccagac aatgtagact gcagcagagc ctaaaatatg ttaaatgatg   360

gtttgttggt agaatcaact gagaagaaa catagcaaca ttgtatgtta aaaatgctct   420

aaaatcctat tacatcagag atgcactacg gttacaattt agtcatacaa aagctgagta   480

acaacaattg cctactccca tgatactgat aatgaaaata ggaaaagaaa agaaaaacan   540

agggaaatat accatcaaca tcattgt   567

<210>   40869
<211>   533
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910001a04d1

<400>   40869

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tcaagtcatg ccttcgaaac tgctcataat tatctgttgc atataaaaaa gtattacagt   180

ctaaattaaa aattttaacc aaccaaatat ctaggaagtc caacatcaag aagggctaca   240

ttattgatat ttaaatagca tcctgatatt agcctttgtc agccttgcta ccctcaattc   300

atgatgactt ggtagattcc ctaaccaaag ggttggttgg gtgcgtcagg ttgagatttt   360

tgaatctttt ggaggtgtgt tagcatactt ccatgaaaag tgatccaatc cattgtagta   420

tctaccacct gctacatcac caatgggaac cgcctcagaa atttctctca ggtctttttc   480

tgacagtttc actgctaagg cacctatgtn ttgatccagg ttcttaatct tag   533

<210>   40870
<211>   424
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001a07d1

<400>   40870

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actagatata aatacacata tttcccagaa gatcgacaac ctaataatag atacatcata   120

catgcatcaa actagttgaa gaagcagtgg cttcaatttc atacttaatt cccacccaaa   180

ttaaagcact taatcttcca tgattgccaa attaattaag tagccatgg tgtccttcaa   240

aaaccttgtc atagtaattt ttcttttctt atttttgaaa gaagaagaaa aaaaaaaaaa   300

16222

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ggactaaaag ctttcacagc ctatctcatc ctccaagagc aactggttac agttagccgg   360

gggatgaaga tactcctcac aaacataatt acaagccaat ttccgagcat tgttggcgag   420

ccta                                                                424


<210>      40871
<211>      455
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910001a09d1

<400>      40871

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acatcacatt atcaacatct aaaaacaagg aaacagactt aaaatataa ctgcaaacat    120

agtagaagcc ctcaattaca cagtagtcat gaggataaat ctctgatcca ctactgaaat   180

tgtaatgcga acgccaaggt attttgacac ttgacaggca tattatgacc ggaattgata   240

tggcatcaga catatttttc cgtaatgatc cataatggaa agattttgac tcatgacgat   300

cctgattgca accacagttt aaaaacatga tagtagctaa cagaagatgg catagctcca   360

tatgtgctat aatgaggaga catacaaatc ctcgtagaac aactttgtga aaagctgcat   420

aagtgcttcc tggaaaaata tgttaacaat aacac                              455


<210>      40872
<211>      433
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910001b01d1

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tgagaataca acagaaaagg cctacttagc ctgaattaca gaaaatatac aacaatcatt   120

ataaaaaacc ctaaggcaat ccctcaaccc cgaagaaggt agtaacttcc ctcctccttt   180

ttctattctt taagactaca tccatctgca ataataaagc ttgccccaca atattatgtt   240

agaaacctaa atatctagta gaggcaatgg agatgaaaag ataaatgatt caaagagaaa   300

aaaaaagtag ttcaggtttt atcagtaaat tagcaagcaa agagaccatt acaatgacaa   360
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tgaaggtgac attatctgca taaaattatc cttcccaaat tcagaattcc ttgtccttaa   420

taagccgagc aag   433

<210>   40873
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001b02d1

<400>   40873

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ataatacatg aaaaagtat atataattat gactttccag aaaaaaaaaa gatagttaaa   120

aataaaataa atactgaagt aaaaaatgta aatagtaaaa ttattttacc cacaatacat   180

gaaaattaaa ctcctgaata tatacattgc acaaactaca cagatgttca tttatgttaa   240

caagatagaa tagaaataga cttgaagcag acaagattca tggcttccac aacttcattg   300

tgcagtcttc actaaaagtt gcaacaagat tcctatgggg atgatgagtg acacctataa   360

cttccttctc gtggaccttc attagatgct ccaatttgcc agatagatag ctgaagcagt   420

atatattcct atcttcacca acacagtaaa tccattctcc tt   462

<210>   40874
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001b04d1

<400>   40874

gcagttaaac aaatacaaac agaaatacaa ataacaagca gtcagtacat tttttttttg   60

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tagaaacaaa ctattgacta taaacatgat tctaaatttc ggcagcaaag gatttaccac   180

atccacaagt ctgtgtcgcg ttaggattct tgaaagagaa gcctcccgca atcagagcat   240

cactgtaatc taattgcatg ccaaatatga agagtaggct cttaggatca caaacaattt   300

caaaaccttc atactcaatg attgaatcat ctggcctttt attaaccctg tcttcaaaat   360

ccattgtgta tgacatacca gagcacccac cctgtttgac acctattctt aaacataaat   420

16224

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cttgatttcg ttcagacctc atcttattca agtgcttcag cgcattatcc gtaacagaaa    480

ttgcaggggc cagagaccct gatgctggtg cagcaggaat agaaactgat cg            532


<210>      40875
<211>      541
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910001b06d1

<400>      40875

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attgatgacg atagaaacaa tgaagagaca gaataataat acaagatgtt taggaatttc   120

agcatttctt cttccacctt ggctgcacat aaataagagc tcagaagcat caggttgaac   180

aactactcca acgaagtcac ctaaaatacc ataacttct tagtaaacca ctggcaacat    240

gatagcctct caaatcattc ctatcaggcg gcgtgccaaa tcagtatgca atgcatggcc   300

acccttgtac gcaacgatat gagccactgg gagtccttga ttcccaaact gggcaaacag   360

tgacagatca ccaataaggt ctaagatctt gtgacgacat ggttcatcac tgaaatgcaa   420

aggtggattc aaccaacctt tactggcact gcacacaatg gcattttcta gagaacctcc   480

tttgataagt ccagcattgc gcatttgctc aacctcttca taaatgcaga aggttcttga   540

c                                                                   541


<210>      40876
<211>      476
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910001b08d1

<400>      40876

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caggtttata catagttact aatcattctg taccacagtt ttattaaact tcccaaagta   120

aaatcaaaat gggcaccagt gatgaattac atatataatc atttacaaca ttgatcagac   180

aaaatctaaa gcttgatcca tccactttca gtatacaccg caaatgaggt tatttccagc   240

tccaacacta actatttgga gaccaataaa tatccgccac aacctgcaaa tgaaaaattc   300
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cttgtgacaa aaaggtttta gttggatcct cctcttatcc agcgaccaga tcctggtttt 360

cccaaactag aatagtaatc acccacattt gccacaaata gtggatctct atcttctact 420

ttgcactctn tactgccacc atctgtcata atatctagct ctgtcttctc caactc 476

<210>   40877
<211>   361
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001b12a1

<400>   40877

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gtctgaacaa caaaaaggct cctacacaac aattttttg tacaaaaggc aaaatgttaa 120

aaatttcaaa caaatttttt ttgtttaaaa aaataaaaac ctatttatat ggataaaaat 180

aaccgtggca aaacaaggac ctaaaaattc aatgttgttg acacaactgt gacagggctt 240

acacttgcac ctgagggagt ggctcgtcct tatgcgaatc caatagggga aaggcccttt 300

ctaccttaat ttattgaacg agattttatt gatcactaaa ggaatgagcg aacgaatttt 360

c   361

<210>   40878
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001c04d1

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cgcacctttt ggttatgggc atatttattt gcaactattg aggttgagca ttactttacg 120

tggacacact attaggaatc cctctacatg taacgccggg tcgagaggta ggtgcaagta 180

actcgtaagg taaaacccct gcgccacaac ggttcctgag tgatggatcg aggttccttc 240

tctcaatctc cttctctatc cgtctgatct ctgcggagaa gctacagaat gcctcagtga 300

tgtctgcgtc acctgaccaa atggatgagt gtcggcgctc tcccaaatac tcctcgtcag 360

atgagtgggt agagagtatg tcaactatag acatatattt tgtagcctgt aacacgctgg 420

16226

gcaacgcatt taggaaatac ttttgggggat ctgctaagaa attggcatat tctgcctcat   480

cctctggaaa tgggattaat cttctcatta a   511

<210>   40879
<211>   508
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910001c06d1

<400>   40879

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atggaacaat ttcagtgtta tacatatgca cattattttc tcgaattaag attatcatca   120

caaattaatg tcccccacaa cttattcatg ccagatttta gaacagcaat tcatatcaca   180

gctttgaagg cgactgatac cagccccacg gttcatcaga tatgtacttg gtcacttgct   240

tcacacttaa atagttctcg agtccccatt ctcctagttc acgaccaaaa ccactacgtt   300

taacgcctcc ccatggagct tgaatgaagc ttggttgagc acaatttatc catacaattc   360

cagcctgaat agcctttgat atgcgctcgc atctttctag atcttttgac attacagcag   420

accctaagcc gtagtgtgtg tcatttgcta gttcaatagc ttcttcttcg gtactgaatg   480

ttntcacaca tagcacaggt ccaaaaac   508

<210>   40880
<211>   367
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001c07d1

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gtacaccggc caaaatgagc tgtacagtta gctgatcaaa ccaaacagta attttttttca   120

attgaagcac tttactggtt tggaaaagat ttttaacact cttaggggggg ttcattcact   180

tccatgaatt ctttcgtggg agggaaggag tcaacattgg gagaggggaa ttgctagaat   240

ctactttca aaacagcaac agttggtgca acataacaag cttcaactcc tcaatggtta   300

16227

tgattgccat taaaatgccc gggagaatca tcaacttctg tgttgaaaat gaaactgcta   360

aacaggg   367

<210>   40881
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001c08d1

<400>   40881

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gaaaaggaat tccaacttca tagggagatg atcaacatac acttacaaat atctagacaa   120

ccagaataaa gttttgatt gcttcctttt taatagggga aaaaaggaaa gaatattgtt   180

gcaaattttg ttctccaagt gcctggtcta tatcttagcc aacgctcctt actaacgttc   240

gtccacaggt tcggaggcat gaaatgttaa aacacttgag taaattatga ttgctacgaa   300

atttgcatag ctctgacacg atcagtcaga tccctaactt ggctccttaa tcgctcagga   360

ttgcagaaga aatcaacaaa aactcgcctt tgaagtccaa tttcttgttt atgatgtttc   420

acaatctcat tcttctttac atgctctagt gtcacctctt caacagcaac agacagcttt   480

gcgttaatct tttccatttc atcaagctct ttcattaat   519

<210>   40882
<211>   487
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001c09d1

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tataaattac ccactgttgt acaaattgaa gttaatagtg atacatgtgt gcctcgcatt   120

tgtctctatc gccccactcc ccgtttgttt tttattgacc acagggtgag aagtaactag   180

gaattttta cctcagtcac tatgtcatca tctgactgaa tcatatgttc tataaataaa   240

attatatgac ttaactcctc atagttcgtg cttcacatga ctgctctggc tttctttggc   300

atgacagctc cccttggaat cggattcaca agtagaggtt ggtttatgga gcttgaatgg   360

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gatcgatgca tgttttttga ggaacttgta taaggctacc actgtacgat ctggatcaac    420

agtgataggg tcaaaactat tgtttactgc cgggaagaag agaatagtgg ggaatccatc    480

aggctta                                                              487


<210>      40883
<211>      464
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910001c10d1

<400>      40883

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aaaataaaat gaattaaact tttgtaagat aaaattaact tatacatctt attttttgaa    120

aaacttaata acagaacttg tataataaca tttgccatag tagcattagt gtgtgaagct    180

gggggagaac ctctttatga tcaatcaatc atgatagata gagacataaa catcatcttg    240

agctatatac catcaatctg catttgcaat gtgtggcgct gctctaatta attttcccga    300

atatgagaga ccattgttgt tgatagctgg ttggtgcccc acgaacaaag ccacatgacc    360

cataagcttg tcttttctag aaaacgaggt gccacacgag cacagccact tgagatcccc    420

acagtgcttc tcatgtgtcc tcagatcaga gagcaccgag aact                     464

<210>      40884
<211>      453
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910001c11d1

<400>      40884

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gttgcatcat gcatgtgact tttttatttt atttcatttc attaaactgc tatgggaccc    120

cgtattcttt ttttctctct ctctctctct catcttcaat ttacacttta cacataaatt    180

tatgagcgca aaaacatgtc cacccactat agctatgctt ttgctttgct ggcccatgtg    240

aactggggtt tcttaggaga aattaacgat ctctgatccc agttcatggc ggccggaatg    300

tgacccacag ctccaatgat ctgcttttaa cctggcccat gatcagaaag tgtgtcatat    360
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aggaaccttg ggctattgct tatgcttctg cttttgcacc accatgcttt tagaggggtg 420

attcattatt aacaaaatgg attttatagg gcc   453

<210>   40885
<211>   359
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001c12a1

<400>   40885

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atatacaagc attcagttga catgcatata tatagtagtg caatataacg aacaaacatc 120

atatccatgc attctatcac aaacaaggaa cactaagaag catatatatc attattacac 180

atccggcatt ccaaagttta ctaaatgatg cttttatta gataataagg attaaaactc 240

tagccaaacc cacttcatca ccaatcacac actcttttt tttcttgcta tgccttgaca 300

agatgatcat caatatcttt agtgaccta gcagcaaagt ccaaaaaga atcaggaga 359

<210>   40886
<211>   514
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001c12d1

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gcaatcgctg aacaatgtta tttaacaaaa ggatcgacca caaataaaaa caacccaact 120

ccaatcatca tcaccacgtc cagcaaaata cattcaaaag ctatctaaaa atttgaggaa 180

cccacagtgg cgcattagaa accatgacca tagaatttat gagagaaata ttatgggcac 240

cgtgcctctc caacaatccc caaaacgttg cttaggcttc agcaaaccca agctcagaaa 300

gcttttggtg agcctcagcg taatcagcga agaaggcatc ttcgtccgat gcatatttct 360

caacaagagg gcggaacaca gggtcagaca aaagtgcctt gtcagaaggt agctgaagga 420

ggccttcttt ctcaccactc aacaactcct tgaagtatga gttgtcgaaa ataagaggat 480

tagaggtcca gggaccctcg aatccagaaa cgct   514

16230

<210> 40887
<211> 369
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001d01d1

<400> 40887

gtgtacaagt gcaataaaat ttcaccaaaa aacacataac caaccccccat aaacatcatg   60

ttttattttt tctcccccctc ccccccatcc ccaaacatcc tgatagcaca caaaaaaaaa   120

caagcccccct ccccccccttc ctcccctttt caaaaattta tttaaaacaa aaaaaacaaa   180

aaaaaattcc tcttcttttt ttaacaaaaa ctaagcctat caaccccaat gttactttc   240

aattttccac tcctccttcc aactccccaa tatattttca actacccctc gttaacctac   300

acacacctcc ccctttgcaa tgttttttta tcaaaaatcc aaccatcact ctgactctaa   360

ctttttcttt   369

<210> 40888
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910001d02d1

<400> 40888

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aataatggac caagcaatct gaagtctgaa caaagttcag agtcaacatc aacatctaga   120

tataaaagta gtggcatgaa attaaaggca ctctgtttta tattcagcat agactatatt   180

gcggcttaga aagagatgag atcatctttc gatgacggct gcttctttgt ctcgtgtccc   240

ccatctgatg cttccccacc tttcttccca aaaatcatct catcgagatc atccatcatg   300

tcatcattgc tccctccctc gacaccagtc cttgatccag ctggctttcg aatcaaagca   360

tcttctttac tatgataggg tgactcgtct ggttcaacag caacaggtat catagctggt   420

tcaggatgaa gtgga   435

<210> 40889
<211> 357
<212> DNA

16231

<213>   Glycine max

<223>   Clone ID: jC-gmro02910001d05d1

<400>   40889

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acaggcaaat attcctcata ctcgtgtaac atgtcaatct tagagttcag aaccacatat   120

atctggagac cactagcgat aattcctgat tgagctatcc tgatacaaat tattttttag   180

gtgagacttc actaaatgga acaactgata ttagtgaatg tgaccatgac cgtgatagat   240

ctgtgatatg gactaggttt aacttgacat tggttgctat tagcataaat gacagtcacc   300

tggctgactt atgttgagga tgaatctaag gccgtcgtat cttgtgtcgg acttgtg   357

<210>   40890
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001d06d1

<400>   40890

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tacttatgga cagctacaaa ctaatttaac taccacacca gtacctcaaa taaacacaac   120

caaaagtaac tcagcataag agctcataca atcataaatg agtgcaagaa acctcaaaca   180

atctttggca tttttcaatg caaaacacta aactacagct gacttaaagg cattaagtaa   240

atttgtaata atcataaggg gcatgctact ttccgaccta attgaattgc atggtcatca   300

tgagtctgtt tgttgatgtt ggggtggctg ctgttgctgg ggttgtgtat ggggccatgg   360

catgaacgcc atgggaggtc gaggctgctg tgtataatac agcgttgctt gctcagcacc   420

aacgggcttg cccatgatca tcccaggagg tcctacaaca ggatgctgtg gagggacata   480

gtaatatggc atatcagctg gaga   504

<210>   40891
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<223>   Clone ID: jC-gmro02910001d07d1

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atcaatctgc ttgaggagca gtgcatttgt caacatctct atgaagcata ttgctcagag   180

ttcaccatcc caaagctctt caacggtctt aaaggcacca taggtctcgt caacaaaaaa   240

agtgccctta attagtctat cctgcttaat ttcagagaac ttatccatca cttcttctgg   300

aatagaccag tcaaacacat caaagtttcc cttgattctg gactcattag tgctcttagg   360

cagcacacta tgacctgttt gcagtcccca cctaagggca acttgtgccg gtgtcttccc   420

caatttctct gcaatctcta tcacaacagg attcttaaga atgtcacttt tgagaactcc   480

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001d08d1

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ctcagaaata tgtataaata tatgaagttt caaattacaa aacatgctca aattacaaga   120

gatggattgc acatattaac ctcaaaagtt tgtataaaag tgtgtgtgct ggaactcaaa   180

cattgactgt agttcctgta caaaaaaaaa atactataaa aaatactcac tgttcaacat   240

gaaatcctca cgataaacca aaaaactttc cacgtggggt agatcggctc cttctaaatt   300

caagcgtgga tgcattggtt ccttctttaa gattgctacc cgaaccattc acgactttgt   360

tttcaacttt gctaaccaat aaaggctctc ctgtttgcac tattcctatt gattcaaggt   420

tctg   424

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<223>   Clone ID: jC-gmro02910001d09d1

16233

<400>   40893

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cacattggtt tcatatcaca gaaaccaaca ggatgccgcc ttccttctta ctggtcccac   180

ccactcgaac aaaagttcta cagaaataaa aatggctaca attcttctac cacaaatctg   240

aaaagtctaa caccaaaaat caaaataagg aaaattaaac aatcaaatcc gattgataaa   300

accgattttt gtctttccct cactcacttt tcaggtgatc atctcaatca cttactacct   360

gtagtgagca ggcttgtatg gaccctcaac aggcacactg atgtaatcag cctgtgactt   420

gctaagctgg gtcagcttag ctacaagttt gcc   453

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<212>   DNA
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<223>   Clone ID: jC-gmro02910001d10d1

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tagtaatttg acaatgctac aaagatgaaa ttatagggtt gaaaatgaag atctcgtcat   180

tagggtgatg ccgggagtgg ttcagtacca gaaacatggg aagcagcatc ttcttttgat   240

atggccacat aattcaccgg agcagatagt cggttatccc tttttccatc ttttgatgtg   300

gacctgtttc catttttatg agcattaagc gatagccgtc ggttaggagt accattggct   360

cctccgttag cacgaggacc tcctgactta ctggaactaa ctggcctagc agggctgggt   420

cttgaaccaa agatggttta ttgttccgcg tttcgctgct cgtgatgctt tttctgatcc   480

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<210>   40895
<211>   477
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<223>   Clone ID: jC-gmro02910001d11d1

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attatttatc gaacaaggtg aagtccaata atgtccaatt ggggaggcaa caactcattt   180

ttctttcagg gaattctcaa catctattac aaaccggtac ttgacgtccc tatttatgag   240

cctctcaaga gcttcattgg cgtactcgat tggaatcacc tctatatttg ggtgaatctc   300

gtttgcagca cagaagccaa tcatctcctg tatatctttt gtaccacctg taacactgcc   360

ggcaacagtc tttgatccta tattaaggct ggcagggata aatttgactt gactagggaa   420

accaactagg acaaaaacac catatgtctt cagcagtgac atggtaggat caaacga   477

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<211>   431
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001d12a1

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ccccgaagga gaaaaacaat aataatggtg gtaaatattc ttaagagcaa aaagagaaat   180

gctgctgtgg atgacataac agagagtcaa tcggcgctgg tcattttaag ccgtctgatt   240

ggagaggcaa gcacgctggc tgaagaagta cgagaagatg acggtgatgg tgaggaaacc   300

gactgtgatg atgaaagggt agaagttgac ggtggtgata atgacacgtc agaggtgtct   360

tgctcttcca gctttctttt gttgtttatc tgcagaacac caccatcacc accgttaaca   420

tagccatcac t   431

<210>   40897
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<223>   Clone ID: jC-gmro02910001e01d1

<400>   40897

16235

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aaaaccatgg gccgtacaca acctaccgct ggaggtattg caccacagga ctaaggacga   180

tgaacaggac aaactacaag agccaggtca cacacaaat ccacttatgt aatgaactaa   240

ttactgctac cgctaacatg agatactaag cctgaacgtg ggacatgtga acaggtttgt   300

aaacgacata tggaggatga ggcccaccaa tct   333

<210>   40898
<211>   476
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<223>   Clone ID: jC-gmro02910001e02d1

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caaaaaggaa taaaaaatg tttattctat gatatatgca cacccaaaaa caacaaagag   120

gaatccaatt tgccactggt taatcttttt actctttttt ttcttctttc tctcttctat   180

ctatgtctct gttcattata tgtagtagga tggcgaattg ccagtgtata catacactca   240

ggactactag tatcacactg caaactctgt acaaaaaggc aaaccaagat caaaagctgg   300

attggagaaa aacaaaccca gaataatatc aaaacaaacc aagaatgac acactaagca   360

gtaagcacac tattttttcg gtgcaggtat caagaaaggt aacccttтga ggaggagggc   420

cagaaaagga cactgttaga tgtgttgatg atcctcagaa tgtaccatta cattct   476

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<223>   Clone ID: jC-gmro02910001e03d1

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agcctggcct caaattcatc acgggaatag cccttagaca cttgacgagc ctttggaatc   180

cgtttcactt caaagatgtt atcactgttc atagcaccta cgttccctga cagcttcaac   240

ataaagttca tataagcatt cttgagcttt gacaaaatcg tcaatgggga tctcatcacc   300

catctaagcc ttggaactgc tctgatcctc caatacctac gtggccctct caagcggatg   360

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ctcaagtaac ttttgatgcc accgtacatt gacttggg   458

<210>   40900
<211>   338
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<223>   Clone ID: jC-gmro02910001e05d1

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tacaacatag ataaggaaac cacaaactct ttttaattag atagagatac tgttgggaat   180

tcctttgaaa gtcaaccctt cctcacttga acgatggagc aaagtgtatg gcagctgaac   240

tggcccagtc cggtttctca gacttggatc actgttcctt gcattgattt ttccttcaat   300

tccagtcaga ttgctttcaa accttttgaa agcttcta   338

<210>   40901
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<223>   Clone ID: jC-gmro02910001e07d1

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aatcaagatt caaatcatgc aaaagaaaaa aagtaaaagg cttttttttt ttggcctcct   120

tttttctctc tctctggctc tgatcgagcg cttaatcaca aaattaaaat catcagggac   180

atattattta tagaactcaa gtaagacaaa ctccaaatga gaaacaaaaa gccgggtcct   240

ccatttgttt atccaactct tcatcctcag tttactcaac agcaaggggc acagactggg   300

gcaatttggg gtacttgaga gcatagaaca tctcgagata gcggcggctc tcacggcggt   360

16237

caaggttaga cacatgcttc cagaagccat agacacccgt ggga   404

<210>   40902
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<223>   Clone ID: jC-gmro02910001e08d1

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cttacatgtc gacacaattc ctaacatagc taatggatct tcattcttca cccagttgag   180

atcatttttc ttatttttag gtacctatga tctcattttt tcctagtgat caatggcagt   240

caaattcaac aatcccaaga acagataata gtcaccacac gtgcagacca aagccggcat   300

gagtagtagt taggtacagt agtatagtag gtacgcttga atgtgatttt tttgttgttt   360

ttttttttaa cgaattttaa aaataaatgt gagacccgta tttccttctt ggggtcccat   420

tgaccctaaa aaaatcaaaa tgtctttggt aggtacgtga acattcttg ccacggtgag   480

agatggttga tttggtattg aacctgaggg gcaaaagcg   519

<210>   40903
<211>   291
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001e09d1

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cggtggtggt ttctttcttt ctgcaaaaat tgtgacacct gttcctctta cgtatgcaca   120

tgattttttt tctttccgtt gccttccctt gaaatttttc ccaatggggg gctgttactt   180

ttttttctca tcataaagaa gactaacgag aaatttccaa tccctctccc aatgatgata   240

ttgaaaactt acggggggaa acattctttc tatccatgga acaatacctg a   291

<210>   40904
<211>   541
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmro02910001e10d1

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ttaacaagtt catcattcaa cagaaacaaa catgacaggt aaacaggatt gcaagggaaa   180

ataaaccact ttgtgccctc atttaaggag agtcttcaca attgatttga cattgagctt   240

cttgaggtca gtataagact gtccacagcc cacaaacatg acaggagctc cagatatgta   300

aaccattgaa agtgcagctc ccaccttatc atctatggtg tcaaatttcg tgagcaagat   360

cccatcaatc aatcttggat taggtgatgt tgcaaggtca gctaatttct gattgaactt   420

tgaaagctga tcaacagcgt cattaccaac cagtgcttct ccaacaaata agactagatc   480

tggattgtta aggtagatga gttttgacag tgctctcata agtggttcat tatcctgcat   540

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<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001e11d1

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tcaaaggtca ttacagaccc attacacatc acatttcttc ttaaaatgtt tgggaaaatc   120

caacatcgaa catcacacag aaatcagctc cagcttaaaa ccccccacga agacgcaaca   180

ccaagtgcag agttgactcc ttctggatgt tgtagtcagc gagggtcctt ccatcctcta   240

gctgtttgcc agcaaaaata agcctctgct ggtccggtgg gattccttcc ttgtcctgga   300

tcttcgcctt cacattgtca atggtgtcgg agctctccac ctcgagggta atagtcttac   360

ccgtaagggt cttgacgaag atctgcatac caccacgaag acgcaacacc aagtggagag   420

ttgactcctt ctggatgttg tagtcagcaa gggtacgtcc gtcctcgagc tgcttgccgg   480

cgaagatcag cctctgctgg tctgggggga ta   512

<210> 40906
<211> 520
<212> DNA
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<223> Clone ID: jC-gmro02910001e12d1

<400> 40906

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attatttatc gaacaaggtg aagtccaata atgtccaatt tgggaggcaa caactcattt   180

ttctttcagg gaattctcaa catctattac aaaccggtac ttgacgtccc tatttatgag   240

cctctcaaga gcttcattgg catactcgat tggaatcacc tctatatttg ggtgaatctc   300

gtttgcagca cagaagccaa tcatctcctg tatatctttt gtaccacctg taacacttcc   360

ggcaacagtc tttgatccta tattaaggct tgcagggata aatttgactt gactagggaa   420

accaactagg acaaaaacac catatgtctt cagcagtgac atgtaaggat caaacgagtg   480

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<210> 40907
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<213> Glycine max

<223> Clone ID: jC-gmro02910001f02d1

<400> 40907

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ttaacccctg cctaaaagaa aaatccccc ggggggggac aacaaaacca aggggggcaa    180

agggtttttg ctaaaggtaa gggaacaccc tacctttttg cttccatttg aagttaccag   240

ccaactgaat acaacaaatc cctcagacca taaaccttag tacagaaaat gtttactatg   300

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<223>   unsure at all n locations
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ataaacaaca aatgaaaaaa caaaatactt gcaaataat aataccactt gcaagcttca   180

tatcacatgg agatggagcc aacccaagaa gcattattat cattatacaa accacaaagc   240

tccataacgg gcatccccaa cacctcatcc accacacggt catgccacgt gtccctcatg   300

gcttcattca accgttggat gaaccccttc ttgaatttct cacaataatg caacaaacgt   360

gccacatggc tagggtcctt atnctnccac caccaaccgn caccaccctc cctacattgt   420

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aacgatgtct gaggatgttc ataaatataa acgttaagtg tgacatacac ataataaaaa   240

tgttcaaggg tagacctcaa tcagagatct aaaaccaaag atgggaaata ttttggagtg   300

tttgaatcct gcttcgatga agagatgtgt ccattcctct tccggcctct ctctggcata   360

catcggaaac ataataatgt gcaaactaag ctttgtatgc gtcatatccg ggtcatgtag   420

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<210>   40910
<211>   473

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001f09d1

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gccaccaaag cccaaatatt tggcatgatc aagtgaagat ttggccaata tttgaccaaa   180

gagtgaaacc aatggtggct gcaaccgcca caccatagca caaccgcact aggaaatata   240

aaacgctgtt agactcaaaa tttgtttcat gctggagaca agtccctatc taaaagacct   300

atccactcac taactgtaca agcaaccgag gacaagaaga atgcccttgg atatagttat   360

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acaccccatt gccattggtg tatataccat ttaaggaacc attggatgaa ttg   473

<210>   40911
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001f11d1

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acatatataa catgctacct tattaatgat acacatttta caaatgttgc accataaaca   180

aaatcacgcc ttgtcagaaa agaagaaaga taagatgtat gcaacgaccc gtggaggttg   240

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cgcggcggaa gacgacgacg acaaccccgt tacttcaaca tgattgtttg gtaccctagg   360

cgatctaata gacaacgccc ttgcggaaaa gggcgccgcc ctcgaaaaaa tacaccggtc   420

cgattttaaa ctacggt   437

<210>   40912
<211>   511
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<213>   Glycine max

16242

<223>   Clone ID: jC-gmro02910001f12a1

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catttccaaa tacgtttatt gtaaataaaa tacagcctcg tggtctattc tatacaccta   180

tttgttctaa tgtacaatgt tggtgataca gaggcaccat ttattgcaca acaaacaaat   240

aatcacaaaa gattcttcac cctgaagact atcgaaaaga tagcgtgctt ggtgagtcaa   300

tcctcacaat aatatcttct tcttcagcac cagaatcatc acttgaatta tctccatggt   360

gatgctgtct tcgttctgtg ctttgtgaag gtggatttgt aacatgtctt gtgacctcat   420

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<210>   40913
<211>   500
<212>   DNA
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<223>   Clone ID: jC-gmro02910001g01d1

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acctttgtga gtgatgtttc caagtagtag ctagttccac agtaggaatc atggttagca   180

gcattatcag aggaagcttc aaacacttca tcatgagaat aaaaccacct atttcgatac   240

tgtttatctt tgctgctgcc tcttttagag taactgacct tctggccctt ctttccattt   300

ttcttttcac tcttcttgat cctgggtttt tgctgtttct tgttttaac agtatgtgat   360

aacaatgtag gtaccggatc atatacatca ggggcccact tcactgtcaa tttcattcgt   420

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<223> Clone ID: jC-gmro02910001g02d1

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tcactaccct ctacttggct agttgtcttt tggaagggtg aggaaaaata gacggctttc   180

tcacccaatc gttgtgtcac tttctttgct aagcaccttt tcactcggtt atcatctgtc   240

tgaatcatat atctttataa atagaaatat cctttatctc tcataattca tccttcactt   300

cggtggtgct gctttggctc tccttgacat cagaactctc actggcggtt ttagtagttg   360

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ctttcac   427

<210> 40915
<211> 463
<212> DNA
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<223> Clone ID: jC-gmro02910001g03d1

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aacaaagatg aaacttgaag ggacaggaca cacaagtgaa tagaacaaga agtcatattt   180

ttcaagttga agctcaaggg taggtttcag aggctgggac agccgtatat gaaccaatga   240

agacgtctcc ataaatcaag ccagccaaac ctcctccaat caatgggcca acccaataga   300

tccagttggc agcgaagtct ccactgacca cagctgcgcc gaatgagcga ctgggttca   360

ttgaaccgcc actgaatggg cctgctgcta agatgttggc acccacaacg aacccaatag   420

caatgggtgc aatgataccc aatgaccccct ttttgggtct gct   463

<210> 40916
<211> 374
<212> DNA
<213> Glycine max

16244

<223>   Clone ID: jC-gmro02910001g06d1

<400>   40916

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cattgcaaga gaagatgtag gccttgcaac agctttggtg atgagggagt gtttcatttc   120

catggagagc tttaagcact cagacaagtc cacaccagaa tcattacaag gcgtccattt   180

gaacttttga aggaacacag caagccaagg gtcaacaggg gccaagccca tggtttttttc   240

aggggacact tttctaccag cgccaaaagg ggccaaccta aaatcagacc ccatgattgg   300

cacgtccttg tccttcaaaa accgctcggg cttgaaatgt tctggctcgg accacacttg   360

ttggtcatga gtga   374

<210>   40917
<211>   405
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001g07d1

<400>   40917

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atcttaaaag agggcttcat attttggggg ggaaaaaaat ttataaacta tcattggaat   120

tgtttgctaa aaaatgtagg attttttaatg gtttggaaca atagctcttg gttcaaattg   180

gggggatttt gacactaaaa gggggggttc ttttccaata cataaaaaaa aaaaggctcg   240

ctttttttaat ggggctgaga gactaaagaa tgtttataaa aattttattt ccttaaccta   300

ttaagggctt tatgaaaaac aaaattgtga agactcctgg gagtcgaagc gaattatttt   360

ttaaatggaa taagcctaac aatttaatga acttgggggt ggaac   405

<210>   40918
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001g08d1

<400>   40918

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ttataagcac aaaatcatct ccttaaatta aggttattgt agctaaaaac cgtgttcctg   120

tttgaatcac tgaactccta ctgaatgagt tccttttaca cataaatttt taggtactcg   180

tccatgcgtg tgtaattcac ttcagggtaa agcttggatg cttcttctcc ttcctctcca   240

atttcaaaat ttgctaaaca tccctcgtag aatatatgat aaaagtgtcc aatccctact   300

tgaagtttat aatccaaccc tttcagtgtt gtaagaaagc cttctggagg tatgtatgtc   360

ttctctagtt cctttccaat aagtttctcc caaattccaa taagctctgc ttgagagata   420

atattttctg gaggccttat gtacaatgtt ttgttaaggg ttcgtggatc atctatt   477

<210>   40919
<211>   484
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001g11d1

<400>   40919

aaccttaatt acttgattaa gtaccagtca caccttattg aaatgatgat tatgaataca   60

taaaaagcaa ctgcgatggc aagacactac tattgtatat gatgattatc ttaattaaga   120

aaggagttta gatgcaacgc cgatccttgc aagtggaaca caaacgagac tatgtgccct   180

tggaaccgtg aggccagctc tctcttccat gctaactttg gcatcatcac ctttcaatat   240

ttgtccttga gggcccagca cttgcaggtc aaagcattgg ataagagatg caagaagtgt   300

tgccattcct gaagtagcca aattgacacc agggcacatt ctcctcccag acccaaatgg   360

gaggagttgg aaatgctggc ccctaagatc aagaggccct gctttccctt cagcaccagt   420

ttctaagaac cttttcggac ggaattctga tggtctgtcc aagatttggg gtcccttcta   480

cttg   484

<210>   40920
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910001g12a1

<400>   40920

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ctacagttga gaccatggaa tctactccac acacatttcg acctctgcag atcttgtaat   120

atccattctc tccccagctc tcgccccatg aattcttaat gatccagtaa ggtttgttct   180

taaaacgaat gggagcatat gcaccttcac cataaccaac tagaagaacc ccatgatcca   240

aatgcttccc acagatgtat gggcatgaga cgccaccaac atatgtctgc ataaaaactg   300

cattgatagc aactgcaaga gggccattct ttactaggtt tgcagcaatt tgttcttcat   360

caagggaaac cacactgtaa ttagatacag tagccgcaac tttggttttg tcaaatttgc   420

aggtgccatc tctcccggtg tatggatagt ccttttcttt ctgtactccc ncagactgaa   480

gtatgtactc aaatgcgttg ttcat                                         505


<210>      40921
<211>      542
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910001h02d1

<400>      40921

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acaaatcaat tacaataatc atttgaactg atgatagtat gaaagcgtac aacatcacga   120

tttcacatta cttgaaaggg actacaattt tttgatacat gtaagttcca tgtatcaaat   180

gcagctagct atataccacc cactacaaca aaaaatgatc caactatata taactacagt   240

tgccaaaaat aataataaat aaactgagaa aagaatctaa aaattttctt tgtgaaaatc   300

aaacttggtg ctggttttcc tggaaaagtc taaagaaagc tttttcagtt ccccaaccaa   360

tccatgcgcc ccacagtaga aaacaccaac tctttggtca gggtgtttga tggctgcatg   420

tttaaagaca ttgcgccagt tgggtcttgc aaaatgagtc ttcacccttg tccctgaaac   480

tatatccaca ccattttttgg catggtgaag agactgaagc attgtgatca aagctgacct   540

ag                                                                   542


<210>      40922
<211>      495
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmro02910001h03d1

<400>   40922

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actacatcat caacaaggac tcaggaggag ttccaccaag tctcaggttt cactacattc   120

aaatctaata gaataaaatg gtccacaaga agggacaatt tattttacta aattgtaaaa   180

ctacttaaca aaaggagctc cttgttaata tattaaaact tatttaccgt tacaccatct   240

ctagtaacct catatgcttc ccttttcctt gttttcttca tgccggccgt gaaatggagc   300

tttggtccct ccgatgaaat ggcagtcact tttacccata tcagcacttt ggtcttgatt   360

ccttctattt ctgctagctt ccctttctac aaatagccac tcacgctggt ggagaaacgc   420

agaactgacg aatccctgtt gccaacctca cacacttgag gaatgtaaac aacaagcttt   480

tctgtctttt cttaa   495

<210>   40923
<211>   315
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001h06d1

<400>   40923

aggaaaaaaa aaaaaatttg tgtgggggggg ggaaaaaaaa aggggaaaaa aacacccaaa   60

tttttctttt tggggggggc cctaaaaaaa accccccttt gggctttttt tttaccccaa   120

cccccaattt gaaacttttt tttttttta aaaggggggga taaaaaaaac cggggtgttt   180

tttttttta aaaacattaa aaaaaatttc cttttttccg ggaaaaactt ttttaggttc   240

ccccccccgcc gggtttttaaa ggaaaaaacc aaatgcccct ttttttttaaa ccccccccaaa   300

aaaataaaac ctttt   315

<210>   40924
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001h07d1

<400>   40924

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ggcctccaac tcaacaaata ctgtatttgg tgtagcgtgt cctcaaaaca taaattatac    60

ttacaatata gcagggaacg aatcttagag tttgctgctc ctactcactt taacacagta   120

gaaaatgaat actgtatgaa cattacgaat ttgtctctgc ttctctaatg ggcagaatta   180

cttaaatcaa cggctataat ttcacacttt acttttaagt agttgtatag gactcatcca   240

aaattacaac ggcccaaaaa atatcaatgc cctatttttt aggacaccac tatgctgatt   300

agttcctgta atgaacactg caaaatcgac agatttccta ttttacgtaa aagtgatcac   360

aagcagatag gtatcacaga gactccggac tagtggatgg tctgattcta gctggcattc   420

gcttacattg attcaactgt gtctcaaacc catgtttaaa agattt                  466
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<210>   40925
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001h08d1

<400>   40925

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aaaccaaact aactgatctt atcatatgtg aaagatatta ctatgggact tatgtgcatg    60

accaaggctc ataacacgta tgctattggg ctaccttagt ctacagaaaa tttgaaacat   120

gcacgggcac accataccgg agaacgctat agagaagcat tacatcatca accggctttt   180

gatgctgtga caaaacccag aacaaagccc tatatggctc gcttgatgta tgttgtaccc   240

cagaatcacc gccttaacaa actggcacac aagcctcttc catggaggcg ataaaatcac   300

cggtgttgct aatgttggcg aaagcacgac tgtgcttgat gccatactgg atcaatgtcc   360

aacagagagt gtgagacacc ctaacca                                       387
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<210>   40926
<211>   448
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910001h12a1

<400>   40926

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ctcttcccat tcaatggttc cttggaaata atatgtttta aaaaatcaat agtaaaaaga    60

agaaaatata cccaacacgg aatctgcctc tgacagaatt aagatcatat taccataatc   120
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ttacatctga tcattttttt aatatatttt ttccctcata gcaataacaa aaaatcaagt   180

tgaagagata aaaaaaatga gaaattaaaa atcatcatcg cacgataatc atcagagaca   240

aagcgcggtg cagcgtaaat catcatccac gacggcagca tcatcatcaa acggcagcgc   300

gttgagatcg aacggcaagg gaggtcgaaa cgacgaggaa acgatgttgt cgtcgctgtc   360

gtcaacgacg gaggaggaag agtcgcagtc actgtggcag tcttcgggga caagagggg   420

agtgcgcggg tatctccgcg tagtggtc   448

<210>   40927
<211>   535
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002a02d1

<400>   40927

acagccatcc gcttccaaat tttttatttt gacagttgac gaatattaca ttgatccaac   60

aaaatggtgc catagcacct tattatagcc acaagacgaa actttgagat gtccttattc   120

tggaacggac aggaacactc taatcttaaa ggacatttat aatttcaaat aaagggcacc   180

ctataaaatg aaaagggaaa gaatccctgt agtctgaata ttcaaaatgg acttacgtta   240

cattctttgc taaggctact tgggtgaatc aataaattcc tgactgcaaa tacattccgg   300

tcaaaacaca gggacgacac cttaaatatg gagacctgcg agagccaaga atgctgctgc   360

aactttgtct tcctctttgt ggttgaacac aaacaactgt taccaaagca gcaacacaaa   420

ttctcaaatc ttcaatgaag aaactggaat tttttcagca gatggagatg tttccttgaa   480

acccaacatc ttgtttagtg cagcaatata agccttgaca ctggaaacaa cgaca   535

<210>   40928
<211>   442
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002a03d1

<400>   40928

acaaaagaaa attatcacag ttaacctgca ttgctgtaga aattttgaag ctatatattc   60

agttatcaca tttcgatcta tacaataata ttttaactga gcaaaaacaa aattcacctt   120

16250

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gtacggatca agttgaacaa tggagtaagc tgtctccaag gatgcaagaa agttgagtaa   180

tattttgaca aaatgccatg ttaggtggga aaaggagctt tagcttgtta agcctttggg   240

tccgactcaa tgaacaaatc agtgaagaag gggtcaagaa ttgcttcctt ggccgaatca   300

tacttgtcaa gacgtttctt caaggatcgt agatctctct cgtgctttgc agtacgttca   360

aatgatttct tcatgaggag tatgtctacc aagtagatca accataacac gtttggtttg   420

ggacagcttc ctttgcagca at                                            442
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<210>        40929
<211>        416
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910002a04d1

<400>        40929
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ggaaccgagc tgtaatattt tttttttcctc atttgaaata caaatggcag acgttacata   60

gggttgaatg acaatggaga ttgttatgag tgtgatatat gttctctaac acatacactg   120

gaaatcaact agagaaggga gtgaatacaa ttttgggtta ctccattaaa ccacaatttg   180

taacaatgac ctttgaataa gggcggttga atcctatttc tgctacaaca gctctcttgg   240

ctcctattag ctttgccacc ctaaaatatg gagatcctgt attctcttgt acggttttaa   300

ctagaccgat cctctggaca acctccatcc ctcctattac ttttccaatt accagagtcg   360

atgcatccaa ttctggcgaa tccttcgtag ctatgacaaa ttctggccca ttggga        416
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<210>        40930
<211>        365
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910002a07d1

<400>        40930
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attgcactaa tggaaatgat aatacgaata cttcattact aatatttcat aattacaatt   60

tctcaagtag cctaaagaat aagtatatat aatacaacaa tctccaaaag aggttgaatg   120

ctaaagcctt gcaacatcta ttaatattta taatagactt taatagcagt aatcctatat   180

tatattatta atataacagt attatattac aaatactgga tttggaggtt ttccattata   240
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acctcaaatg ggcacgaggt attccatttt caacgccaga taattagctt atagctttcg    300

cttttcccagc cttgttatga aggataatga cactcatgca tgtctagatg gatcctcatg    360

caact                                                                 365


<210>      40931
<211>      402
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002a09d1

<400>      40931

ccagcttggt tgtttccaat aaaactatgt catgtcaggt tcttcaaaca ttaggtcttg     60

aagaccttgt ataaaagact tgtgaacatg tcagacagaa ccttgcatat aggttgttgt    120

aaaggagatc attttgctaa ttaacagaaa attaccaagg tgacctaaat tgttgttaaa    180

aaagagtcac attggatggc tccatattac tgatgtacat acttctgcaa gtaattgggg    240

aagatgtttg ctttagagct tcttcagtga cgctttcaag tgtggttgaa gagttatttt    300

attggtagcc atctgaacgt cataacaaag attcccatga accagctgga aacatcttct    360

tatctcttta accttagaag cgttccccac tattacactc tg                      402


<210>      40932
<211>      400
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002a10d1

<400>      40932

gtacaacaaa agtgaacgaa cgaaccagag attccctctg ctggtaccat ctccaacagc     60

ccccccaccaa acatttccat ttccgaccaa cttcgattca atcaacagct caaagcttca    120

tacttcaccg gcatggatcg gttaaacccc gcctgagaaa gcaagttccc caccaccgta    180

agatcacggc agaaaacacc ctgaaacacc gccggattca ccgtagaaga agacaccata    240

gacctatttt gagacatttg agtactatta ctctcaacga ccttattcaa ctcagcagca    300

gcttcattgg ctttctcttt ctgtgcttca agagcttgca aagcagcctt ctttctctgc    360

ttctcagcag cttcctcatc cataatatta cccatcacat                          400
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16252

<210>   40933
<211>   126
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002a11a1

<400>   40933

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aaaaaaaaca aaacaaaaaa aaaaaaaaaa aaaaaaaaaa aaacaaaaaa aaaaaaaaag   120

aaaaag   126

<210>   40934
<211>   321
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002b01d1

<400>   40934

gcttgacctt ttattattat tgttattatt aggttggggc tgcctttggg ttatatcaaa   60

agcagtaaca acaattaaag ccgctgcgaa gacagccaga caagcttatt aacatttaca   120

tgcaaatacc agctattata cttcataata gtatcagaag ccaaatacag ttaaagacac   180

cactgaaatc agatacttgg aacacttatt agataatgac taaaaagcct atggggaaaa   240

caatgcaact ttttggccaa aatggaagcc caaacaattg gacaaagccc acttagggaa   300

actggggacc ggaaacatga a   321

<210>   40935
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002b02d1

<400>   40935

aggtaatagt aattgtgatt cttctcttgg tgccactggc ttgttgatta tacatacgta   60

ctcgatgaca tcaaatgctc aattattgat tccttaattg gcacgaagta aagtcgaaaa   120

gtactggatc tacaaggaag aaacaatgaa cctagagttt ggagcaatgg cactaggttg   180

16253

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gacgatgtgg tggttaagca cacagtccaa ctccttctga aacctctcca tggcttcaga   240

aggcaaacaa accggtataa ccaacccttc ctctccttta gcattcttaa agggtatgta   300

aaagctagca acaccaggta tggctccaac ccctcccttg gcgggtcctc cataaacagc   360

cttcccccac ccaaactcaa tgtttccaaa cccagcacga gtcacatccg acacgagata   420

cgatctcaca acagtgaagt gaggccggcc cttggtgacc attaaatcag ccaccgagtg   480

catgtattcc tcagtcacat ccgctttggc                                     510


<210>      40936
<211>      425
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002b05d1

<400>      40936

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ccagaagtac attggcatca tttcatttgg cggctttttc aacctcactt agccactatt   120

tacatatctc taccccaaaa cttagggata ataatttacc ttagaaacca aaccctataa   180

ggccttacca aatatcatca ccttaactaa ggttgaaaaa gagccttgct tattttgcta   240

cacgccattc ttttgatcac tgcaccatca actatttcac aggtgtctta tttctacttc   300

ttcagccttt tccagttctg ttggactttg ctatatatac aaaacgctag aaaccacttc   360

aagaagaaaa ataataagac ggacggtgac actttcaaat accggcccta ggaaaagctg   420

agtat                                                                425


<210>      40937
<211>      438
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002b06d1

<400>      40937

ccaaaaccaa ctccaatttt aattccattt gctactccca acattggtca tcaccagaaa    60

ataaagaac aatttagact agcaataaag tgttacatac aacacaacaa acaacataga   120

cagagaaaga caatctgcaa acaactcacg accaaaacta tagatgaaaa atggaccgaa   180
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16254

caaatgatga catgcatatt tcttactctt caagttcaat ttccttcatg tacccaaaac 240

caccaccaga ggttattttc tctcaatcag agtagggttt gatcttgaac ctgtaaagaa 300

gcctcttttt tttcaaggta ggattgtcta tggtgagcaa caattttccc agttcaacaa 360

ctttaaagct attggtaaca actggttcat cggtagggga catctttgtg gccttctgta 420

tgataaccgt atatgcat 438

<210>   40938
<211>   264
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002b07d1

<400>   40938

gggtcatagc acttcccaag ggtttaggat tttataaccc ttattaaaaa aactggcatg 60

agtccaaaac ccaaaatata gcgcaatgat ttatgaataa tgactttacc cataacattt 120

aaaatgaaaa tttctactgg ctgttgaaat gaaacctgag cattgttgaa catggaacca 180

acttggtcaa aacctaactt ggaaaaaagc ttaattttgg attttgaaaa aaagtacaat 240

tcaaattcat tttcaagctt taag 264

<210>   40939
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002b09d1

<400>   40939

cacagaaata caaatgtttc taacatttct tcaataacag cttttatcaa acctgccaac 60

aagaagtttc ttatcacaga aatacaattc aatgctaaag ccaagagtat gaaagcgccc 120

aaccattttc aagaccaaag gagctgttac aacaatgttg aaaaccaggg ccagaaaacc 180

tgtgggaact agaaaccctt ctgccgcatt atcctaatct gatttcaaaa attccaacaa 240

gaataaacag cattgtcacc tcactgttcc ttccgagctt tagatctggc aggctttcca 300

ggtttaatta ctttaccaag aagaatcata acaacaggaa caatagttcc aatgtaatac 360

acgcttccat atgatgcaag agtttcatgc agacttaaca ccatgaaacc aacacaggag 420

16255

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<210>      40940
<211>      394
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002b10d1

<400>      40940

accagtgcaa ccaggaacca tatcactatt catcgtcaaa tgacaatcac aaggctttct   60

ttaaactaat gcacaaaaaa ggataataga gaatcttatg aataaaccaa aaaatttaaa   120

agaatgctgt gtataagtac tgcacagttc acaggcttct ggaaagtaga aattaaatgg   180

gaaaaaaatt agggagaaat ataaattgcc aatactgttc ccaaaaccta tttattagat   240

attcatctaa cctaattaaa ctttgtagtt caagaagaaa aaaaaaaata agatatccaa   300

gatagagaat aaacctttga tcattgagaa agaaatggaa gcaggaaaat acaatttggt   360

ttacctccaa tgccttagca actagaggac agac                               394


<210>      40941
<211>      430
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910002b11d1

<400>      40941

agaattcggt atatataaac tttgagcaca atcaaaattc atgtgaactc gatactcgat   60

cttactgttt agtattacta taataaattg atacacttgt caaggagtta acaactaatg   120

gtgaccacta gctccccacg atcatgcaca atgcctaaag aatcaattag tcaatgtaat   180

cttctcaagg ttgaacgtgt acatatagac ccaaagaaaa cacaacaaga tacgtttttt   240

tatcatccca tacacaaata cacaaacacc ttgggctcaa ctgacttgat cgtcagagtc   300

cttttttgtaa gtacctcccc aacactggag taggagatca aagattctac gaagactagg   360

aactcgatca caactcatcg gaacttaacc acaacttgcc agaatagaat ctaagaaact   420

ttntatgctt                                                         430
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<210>     40942
<211>     410
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910002b12d1

<400>     40942

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gattttgctt tctgcttttc aacacctaaa tgcattgatt gcattatcta tgactaagaa   120

catcctcagg attacagcaa cactttccac atcacaatct gtaagaccaa agtttccggc   180

ataaaccggg aaatggtacc acgaaagaaa gaaaaaaaaa gaagataaaa gggtgcccag   240

gcaacttta taatgggcat cacaagaact tttttgatct tttggttttg aggggaaggg    300

aaaaccatag cgaaaacaaa acctaaacct gagttttaac ctcctcagta gttgcagtcc    360

acattcaaag aattgaaggg ctggtccttt cagagccttt ttgaaaataa               410


<210>     40943
<211>     393
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910002c02d1

<400>     40943

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cgtgaattcc aattgcatta aaactttaga ccataaactt tatattctat atatagactt   120

gccccgttac ataaaatact attgtataca aaaatgggcc tatcacttca cttaccaaaa   180

gaaaaccccc ccaaaccaaa atactactat tagcgacact cggttccatt ttttttcccc    240

ttaggagcaa tgccggggga ccaattttgc gccccacatg gaaatcatag atccccttct    300

tgcaaagtca acagtgggct aaaagaaag aaagaaggcc caccagcggg gcattgatat    360

atgtaggggg ctcaaactgt tgaaagaaag gcc                                 393


<210>     40944
<211>     428
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910002c03d1
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<400>   40944

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aaaaataagg gagagtgaca tctacacaaa atccacacaa acttaaatca aacgaggaca   120

ataataataa taataataat gatgatgata aaaatgagaa aagcttgaac ctttagactt   180

gagctttaac cttctggttt ggctcgaaga catacttaat aagagaatcc ttaatagaca   240

acagttctgg aaattccttc ttcaatttgg cagcgtcaag ctcattgatg ctcctcggag   300

caacaatcac cttggcctgt tcctcgagag tgaagttgtt ccaggtgaag ttcgggtcaa   360

cataatctct gtacatctcc aagatttcat tgtgactaac cactcctggg ttagtaaagt   420

tccagatc   428

<210>   40945
<211>   356
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002c04d1

<400>   40945

cccccaaaaa aaccacaaat ttgggaaaaa tttccccaaa ggggggaaaa atgggggggg   60

acccccctaa aaaaaaacct ttttggggggg gtaaatttgg gggaaaaaaa ccccgggggg   120

taaaaaaaaa ccccttgtc aaaaaaaaaa actaaaaaaa atggcccccc acaaaaaaaa   180

aaacccgggg taaaaaaaaa cccgcttccc aaaaaaaaaa ttgggggggg ggaaaaaaaa   240

aattttttca cgggaaattt tccccaaaaa attttgggaa aggggccccc aaccctattt   300

aaaaacgggg ggaaaatttt tccccccccg ggggttttta ttaccaaatt taaaaa   356

<210>   40946
<211>   390
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002c06d1

<400>   40946

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                              16258

gccttcaaaa attggggggt tcaaaatgtt tgacaaatga aaacagcccc ttcacttgca   180

gatactttt ggggcatgc aaatttagct gtattgaatt cataaagggt caacaggggt   240

atttgattgt gctccccatt caggccaaga tccatcataa actgcaacat cagactttct   300

aagacgatga agacccaatg caagaatgca agcagttacg cctgttccac atgaagtcac   360

agctgggctt tccagagaga tgccttcttg   390

<210>   40947
<211>   401
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002c08d1

<400>   40947

aaacaaaaac tccaaattcc ataagcctat tttggcttca acatacttcc cttttatttt   60

ccaatttcca tttttcatca tgatcatcat ccatattatt atttcgtcct gttattggtc   120

acctgaaaag tgaagactga aaaacctccc cggaatcacg taccgaaaaa ccattatttc   180

atttgggcca accaccgaaa cacttaaaca cagcctaaaa aagagacccc actccccgaa   240

cgtttgacct ttgactgaca caaaacgact tataattttt ttttcactcc ctccctcctt   300

ccagttttca ctatcactac tactgggccg aaacttcatg aacaaactta ttcaaacgaa   360

ttgcgttacg tattgcataa accccatgtc gctttcgagc c   401

<210>   40948
<211>   420
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002c10d1

<400>   40948

aaaccaacaa acttgaataa aagttcacaa taaaaatggg tgaaaatatc catgttttag   60

accgaacatg ttctgaatag agctaatcaa tctcgtgcaa aaattgtctt gcaacaacta   120

ttatatggat ggactacaaa cgagagactt ctaaggtcat cactttttgt cttccttctc   180

agcttcggca gccttcttca gtctggcacc ataatggcgt ttgtttgtgc gttcaagtcg   240

aagcttgtaa taagctttaa aagccttcat gtcatctgta acctttacaa gttcaacagt   300

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tggcttctcc ctcacaatag gcaagaaaga accctggact tgcgttgcat ttgcaagctc    360

ctcgggagta gaatcaccag ccttaacctt ctgtgcccgt cttgggaaca caaccaattt    420
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<210>      40949
<211>      438
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002d03d1

<400>      40949
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attaaaacca cccatatgcc ttcaacaaat agtttagact tgtgagaaat cctttctaat     60

ccgaatactc tggtacagcc acaatctttt acagtttcca cgagccgttt cttacaàtca    120

gtaatcaatt attcatacat caccaagttc aaatgcaaaa tctttaaaat cgctccactc    180

aagaatgtgt tagcatcatc aaatcactgg gatgaagctt cctccttctt ttccgacaga    240

agcccctgtg cctttgccca tcgggaaaaa tgatagagtt gaacagtctc atttgaggca    300

tggcaagcaa aaagtagata gttgcgtggc tgaaccatcc atgcaaatct catgaacaat    360

gctgaataga cacacattgc tcctgtcatg ttgccagaga tcatttctgg aggtttgttc    420

aggtcagcca atccagct                                                  438
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<210>      40950
<211>      443
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002d06d1

<400>      40950
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ctggcagaat atagcaaata tactctccga cacattttgc gtgtctacaa ttctttccat     60

tgtatcatag taaattaaat aaatgtgtaa gggctcaatc ttcattgata caagccctgt    120

aatacatggg gcaatattca gcacaatagc ctgacttgac tatgtacagt atacacagtc    180

tttgcgcatc caaattctct tatataaatc tttgtttttg gccaggcagt gcatgattag    240

gccttggcaa tcttttgagg tatacttgaa caaccagaag acaaggagca ccaattatga    300

acttcaaata ttttttatat actgaaccta atatgatcta aaccacacgt atttggtaaa    360

ttgctgcatc atagggtcct aaccgcatag gactcacttg acagcttctt tgcatttcct    420
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agacatttgt tacaagatat ata   443

<210>   40951
<211>   388
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002d07d1

<400>   40951

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caaagatatc gaccagctct tacaattctg aggcaaaaga aaataaaagg aaacactcgt   120

tacattgaaa gccaacttaa aacttgagca caaagtacta ataacagta cttcacgcaa   180

ggaaactctt gtatatgata agcaagacac tgatgataac taagttgaat attggatcag   240

ttgtaatgag gattggccaa aaggttagcc tcaacggcct tgaaaagagc atcagacttg   300

actttgccaa ttttgaggtc gtctgggttg ggctgagcat ctcctttggt ttggtatttg   360

acagttagct tcccagcaga ccctccgt   388

<210>   40952
<211>   301
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002d08d1

<400>   40952

aaccaaaatc tggccccgga atcttcaaaa aaatagcaaa aaaaaccttt ccccaagaca   60

ttccaagact tttttaagat ttttcccaag ggggaaggaa aaccccgatt ggggggtgag   120

ccataaccgg gttggaacaa aggcccaaat caaattaagt agggagaatg ggggggggg   180

agtcaggttt gcccccaaa aggggacccc tggggcgggg gaaaaattca aaacctggca   240

gctcggggac atttcctta tggggaaccc cagggggga cccgaaaagg ggccccggaa   300

g   301

<210>   40953
<211>   428
<212>   DNA
<213>   Glycine max

16261

<223>   Clone ID: jC-gmro02910002d10d1

<400>   40953

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accgtgccaa acactcttag tctcttatat tgttccaaat gcttgataca catccgtggg   120

agtgcttcaa agggaagaag cctcacaagc ttattgtgta ttcattagca gctaaaaatt   180

cctcatctta ttacattaga tcactctaca aggtaggagg gatccatatg tagccgtgtg   240

tttgaacata gccagctttt tcaagtaact gatctgcttc tgcaggacct ctgcttcctg   300

gtttgtaggg gagtggcttg aattcccctt catcaattct gtgcagaagt ggggtgaaga   360

tctgccagga tgccttcaac tcatctctgc gaacaaaatg ttgctgatca cctctaattg   420

tgtcaaga   428

<210>   40954
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002e03d1

<400>   40954

aaaaattgat cactatggat ctatactcag taataaacaa gggatacatc aataaccttt   60

ctattatttc acatgtaacg aaatgctgcc atgtgatctc tacccatcaa acaataataa   120

aaagaaagta acgccctacg ggtgtactta ttgtttctaa gctcaaatga tgaagttatt   180

aaacagaatt acagctaaca atgctgcaaa ttttaagccg agaataacag ctaagttgaa   240

gataaatact aaggaaaaaa aatacagtat ataaatagtt ccatttccaa gttctgtggc   300

tgttatgcag ttaaccaaaa accgattcac gctttgccat ggccactga tgctcccgca   360

gggttaagct catcccaagc ttcaatccaa gtgaccatgg catctgccaa cttgtcaaag   420

taaggatcta ccttggaaag cttttccttg ac   452

<210>   40955
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002e04d1

<400>	40955

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acatctcttc tacaacagaa cgggagaaaa aaaaaaagaa tcttacatat cttgctagcc	120

ttcatgctct tatctcaaca taccaaagaa aggaaaacac aaaaacaaga tagataaaag	180

gatggtaaag agtaggaaat gaaagttcct caaccactag atggtatttt tgtagtattt	240

gtataaatag taatttccct ggtccagctt tcacactcca tgattataac ttagaagcat	300

ttcctgtgta cgattgatgg tccagattca tcatactctg ccttcgcaat ccacatctgt	360

tggaaggtgc tgagggaagc caagatggag cctccaatcc agacactgga cttcctctct	420

g	421

<210>	40956
<211>	379
<212>	DNA
<213>	Glycine max

<223>	Clone ID: jC-gmro02910002e07d1

<400>	40956

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aattgataat ccttatggac atcaaacaga aaatcccctg aaaacgaggg cccttgagtt	120

tcacacaaag gataccctat aaaaacctat atatagtcct atactgcatt agctacaaga	180

taaataaact ccacatatgc tttaagcagg ttgggtttct tggtgtggaa tccattacca	240

acatcacgat cacaattcct gaaagccata cacaaatgaa aattatgatg ataaataata	300

tacatttaga aacatgcagg gatgcttcca ctatgaagag aacagcacca aaaattaaag	360

aaactagagg ccgatagaa	379

<210>	40957
<211>	363
<212>	DNA
<213>	Glycine max

<223>	Clone ID: jC-gmro02910002e08d1

<400>	40957

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aaattttgtt atatcataca cattcaagga agagaaaatc tcaatagcaa gattcaactg   120

aaactagaaa tcgccaccac ggagcctaag aacaaggtga agcgtggatt ccttctgaat   180

attgtaatcg gcgagagtgc gtccggattc gagctgcttg ccagcgaaga taagacgctg   240

ctgatccggt ggaatccctt ccttatcctg aatcttcgcc ttcacgttat cgatcgtatc   300

agaactctcc agctgcagag taataggttc tccggtgagc gtcttcacga agatctgcat   360

tcc   363

<210>   40958
<211>   323
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002f03d1

<400>   40958

ggaaaattaa aacaaaaagg aaaattaaaa aagggtcccg ggttgaaccc acattagggg   60

cccctaatcg aggtctccca aaaaaaaaaa accatggggg gacctgggat ataattcacc   120

aacggttggg gcgatttaaa cctgggagac ctttttgggc cccttacagg aacccattcc   180

catttaaaaa atggggggtt tcaaatttca accgggtgcc acgggcaaag cttggggctc   240

tctcggtttc ggggggcccc ccaacgatta tcggggaggc caaactccgc ggggggggc   300

ttgacaaagg gggcgataaa ccc   323

<210>   40959
<211>   309
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002f06d1

<400>   40959

ggccgccctt tttttttttct ttttttttttt tttttaaccc aaaagagaca tctttgcctg   60

ttctgatcag tgaaataatc aaatgtgatt gaagcaaaag cttcagcttt cactcgcaga   120

tttccacggg ctgcttatct agggaaacat ctaaacggag acccactact actgacgaag   180

atgcaccttg ccggaatata actttcgcta cactctttat cctgatggca aacctcctac   240

atatcatcct gtacaccta ctccttgatg cgttctccag ttatcgtata cgcatctgca   300

caggcgcca 309

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<210>        40960
<211>        370
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910002f07d1

<400>        40960

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ggaaccacat cttgaatctc ctataaatga tgcgttgaat gacaccttgg agaaggaata  180

atgaaccatt gaacattatg gacaatcaaa atgcttcaac actagccctt ctagaggctg  240

aggatgatga cttgcggttt tactgcctat caggctgctc caatgagaga cttgatgcac  300

aagcacgcag tggcatgagg agaatgggcc ctccacctga ccatcttgga ggcgaaacag  360

atactggaat                                                        370


<210>        40961
<211>        315
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910002f09d1

<400>        40961

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ttggggtttt taggttcccc atgatattaa ttaacaatag aaacacttga acctattcct  120

aatcttaaaa aatcttaatc acaactcatc cctatcaaaa accacgattc catccaaaaa  180

tgggcgggta caaaatgtat gccaaacgaa aaaagtccct tcacttgcaa ataccaatag  240

ggggcatgca aaataactga tacgaattct taaaaggtca aaaggtgtat tcgattgtgc  300

tccccattta atcca                                                   315


<210>        40962
<211>        505
<212>        DNA
<213>        Glycine max
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16265

<223>   Clone ID: jC-gmro02910002f11d1

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tatttcattc aatattatgt atcctacaca aaccataagt aacgacaaaa attgcgaagc   120

caccttgtgc ccacacttac accacaatcc aacacaagtt gatatatctt acaaataggg   180

aatgtagtag aaagccagca gttacaatag ggaatgaaga atgaagtgtg atgacaagta   240

ggtagtacaa gaggctacaa aattatgagc aaataaatat gcaacagtta gatttcatta   300

actgaatcaa ttctgtttaa tgatgcctga gaatatgctt tgttgaaggt gatggatgat   360

ccaacctcac ttgtgcttct gtaagatatg ccctccattt tttttctctt ggagcggctc   420

ttaactatct cttccttttc atctacgaat gtaaggaatg tgcgcaaacg cgaagatcct   480

gagccatggc cagaagattc gagct   505

<210>   40963
<211>   567
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002g01d1

<400>   40963

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tactaattaa cagttaacag aaaacagtta gagtgttcct tggcagttat caatgccagt   120

gtatggctct caaaattgca tattttgata caattgccag aggagagttg gtaagtacat   180

agatcaagat aatgaattag cctcgtgaac tggcatatcc cgtggaattc cttcagagca   240

gccaatgcca tggtagatga aagcattcgt agaaaacaaa tattgaccaa catatccaca   300

tcaattttac agtctgaaaa ctgaaaagct catccatgtg cacctttaaa atgtaatggc   360

cgtagcttca gtcaagtttg cctttcctat tcatcaagtc atggtagtat agcagtacac   420

acatatgttg accaaggata ctgaatatga accaaaaaat catatttcca accattgagt   480

atctgaattt attatgcaga taattagtga tcaagaccaa aggaaccctg gaacataatt   540

ccatccgaag cccacaactt gaatatg   567

<210> 40964
<211> 484
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002g02a1

<400> 40964

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tttgagttga aagccagact caaggagctg aaagacaaaa gaagaaactt ggatttgaat   120

cagccaaaat ttgagttaca cgtaattgca aagataagat gagtgttatg tatagtcctg   180

ttctcaatta ctcagatgtg gagcatcagc taaggaaaaa ccaagacatg gattcaagta   240

ttggacatcc acaacaacac tgtcaccaac ccaattctgg actattgagg tattgctctg   300

ctccaagctc attgctggca agcctcattg acaacaccat tcatggctgt gtgaacgagg   360

aatcgctcac aagtgagaat gatcatgatc atcatgagca gcagcaggag cattatcttc   420

catctacaag ttcataaatg gagaccatgt tatccaaatt gctaccatcc aacaatggat   480

ggag                                                               484
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<210> 40965
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910002g03d1

<400> 40965

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atttatatag gacctaatac aagtataaga atggagaaaa tcaaatatcc tttcaagtct   120

tgcatattca aaatgcaact atatggagtt gacaaatcta ttcctgaaaa cataagagac   180

tattttctct aactacaaaa tccatcctca tcaaatatca attgggtacc cttaaattga   240

cggataaaat tcaagtagga cttagtcacg gaactcatcc atgaattttt catggaactc   300

agtcaagcgg gtgacgatgg ccggaatctt ttcttctgga ggcaatatgg tgcacctaaa   360

atgccatgtg ccaggaacct gtccaaaacc agaaccagga tcaacaacga ctcctgtggc   420

attaagcaag cgttcgcaat ag                                            442
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<210>      40966
<211>      436
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002g05d1

<400>      40966

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caaggaaaaa aaaaaatcct accattgccc ggatgaatcg tgtctaaagg ccgcagatct   120

tcctcaattt tggtcgccta attaactact accaagcagc gacactattc acatattggt   180

aaagtaaagc ctagaaataa ttcaaaagca aaggttaaac aagatgccat atttatctat   240

acctatttat ctacaaatcg gattctggca caatgcctca cttctgcact gtcgaggcat   300

taaccggctt ctctttgcag cttgtgcctc acaattatca ggttccatgt catctatcat   360

ctgaccatca tcacatccag cctcatcaga aacttgtgat ggccttgtgg gagcttcctc   420

atcgtctact gcatca                                                    436


<210>      40967
<211>      412
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910002g09d1

<400>      40967

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ttattaactt acactttcaa agggattggc acaacaatat tatatgctaa taaatataat   180

aatcttaaga tgatgaagca ggtttggaag atgggttgaa aggaacctgc tcagcgcatg   240

taaggatgtc atggggccca gcctgttctc gaccaacacc aagaaggtca agataataca   300

ggtaatggga aacaatattg ttcattgagt ccacatctcc ttgtccacat acaccatccc   360

catagagaat gttcattgta gtgccaaatc caggaacccg attctccata gt            412


<210>      40968
<211>      416
<212>      DNA
<213>      Glycine max
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<223> Clone ID: jC-gmro02910002g10d1

<400> 40968

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gcataatatc aaattaaagg catagtagaa tgagtagcaa atccattctc atccagcatg   180

gacagagaat gaaatcctcc tactttagta ttcctaatta caatccaaac catataggct   240

taattaaaca tataattaat agagtatcaa ggtccatctc gatgtaaaag ttggcagaca   300

gaaagcaggg agaagagaga tagagagtga tgagattcac ctatgtccta accatggttg   360

gtgagtaagt gaagtaccca agggaaccaa aatatctccc agggttccat gcaagt   416

<210>   40969
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002g11d1

<400>   40969

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gcacatgcag caactcagtc ttactacatg attctcttta tttagaaaac aaagttttac   120

caattaaaca aacttatcag ctaggctttg catcttagac aaactgatta aggtactcat   180

ccacagtgat gtatttcaca tcaggatata gagctgaagc ttccactcca aaagaagact   240

caatttcaaa gttagtatga tcccccttta cataagaaga gtggttaatt gacaggatca   300

cattcacggg tggtgcggac tcttcaattt gcttcaggag ttgttcttct ggaacataga   360

ttctttcaag agttttacca atctttccct cccagagagt aacaagctca ttaaacgaca   420

aggtattagc tggtggtcta atgtagagaa ttttgttcaa ggttcttgga tcatccacag   480

aattgattgg ataagttcca atatcctctt ccttgttaaa aacagctttg gg   532

<210>   40970
<211>   557
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<223>   Clone ID: jC-gmro02910002g12d1

<400>   40970

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gaaaagatat tgtaagagaa tataaaatta ttcaaaataa aataacaccc tagaacaacc   120

caatctatat tgactccttg tttttagcca aaacagaagt ccgaaacatt tatatttaaa   180

tttactcttt ggcacatttg gcagcttaaa gagctttgat gtatgttatt acgatggtat   240

tagttggtgg caaaattttg gcaacactcc gaagaatata tttcctcttc tcacatatca   300

tcgcaattgc caattgcatt aatcccataa ctctcattaa cccgatgatg cttgctccat   360

gtctaatgtg gcttttggca tgtgctccct gttctttccc cacaatacgc tgtacagtcc   420

tagaatcaat acgaaccctt ctagaagact tcccaaactg attatctcac ccaacacagc   480

tgcagaggca aagatcgtaa taatgagagc caatggagtn gacatggcta gaaacacggg   540

tcctttcttt tctatga   557

<210>   40971
<211>   320
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002h09d1

<400>   40971

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tatttaacta ttttggaac ccgaagataa gaaccaatta aggaaaaaat ttatatttca   120

acgaataagt ccatcattta tggtcatccc aaaaccattc tacgtcagta tttcgggcca   180

cctaacttac gcgccgatca ccgcctacat taaaatccag aaacgtcact tttacacacc   240

gccacgcgcc aacaacccaa gttttttccgg tttcaacaag ggccacgtaa gcacccgagt   300

taccgactaa ctgagtctcc   320

<210>   40972
<211>   337
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910002h10d1

<400>   40972

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tctagcaaat atagacctgc agtttctgct ttgtgcagag aagctgttaa atagaaggac   120

ataataagaa ataaacgatg cataccacac ggtttgcgca agttctaatg cgtcttcaaa   180

tacatgagat ttgaatagat taattatgca taaattaata gtagtagtag tagtaaatca   240

ttagcagaag tcataggaac atcttttacg tgggaatgct gtcttggact caactagtta   300

ctactttcat tatcgaggca ttattccttc aattcat   337

<210>   40973
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910003h06a1

<400>   40973

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ggttagcgct atggttgcta tttgtgctgc tagcttatac ctagactttg atccaacatg   180

ggttggtgac cgtgctaaga tattcaatgg tggccagctt ctatcacttt ccctagacaa   240

agtctccggc tctggcttca aatcatagaa ataataccta tttgggaaga tagatatgca   300

gctcaagctc attgccggca actctgatgg cacagtcact gcttactacg tgcgacaatc   360

ccttgttgag ggcgtagaga cccagaatcg atgccgctgt agcctcagtg aagaaagaca   420

gcgggagcga cattccttgt gtgggctcac tgtggttggg cagaaacgtc tgtgacagaa   480

t   481

<210>   40974
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004a01d1

<400>   40974

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16271

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aggtataatg cgtcaaccct ttatttagta ggtaattatg ggatgatttt gattcacaca    180

gcaagcactg gcattttgat tactcatcat cataactctt gtactggtga tgcttgtggt    240

gatgcttctt cctcccatca tcatcatctg agtcatctcc atatttcttg cgtccatagc    300

cttcctcatc atcatcatcc ttcctctgat aggagggctt gcggtacccc tcctcctcct    360

cctcctcctg ccgaggtgga cgcccctcat aaccatactc aacccctcct cctcctccct    420

ggctttcata gttgctcctc ccatagctcg gtttctcctc atactcactc ctccctccat    480

acccggatcc atattcagat tcttgcttcc ttccaccata cccggatcca ta           532


<210>      40975
<211>      499
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910004a03d1

<400>      40975

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tgaactttcc caaatatggg cgtatttaac aaaagatgca aaaacaccag aggggggaaaa    120

aagatgcaga gcacacatga aatatatagc atacactcct aagttttttt acaacaaagt    180

attgttctag tatacgacac aaaccgcaaa gtcaaattct aaacaaaatt agtatacatc    240

atagtactcc aaaaactaga aatcactgaa agttctttcg attagcttcc gaaccactag    300

tggatggcac ggccactcct ggcgctacaa aatgtgagat accttctgag atgttcttaa    360

ctgctttgtc aaaattaaca aaacccatga accaaaaatc atgcccttcc accgttacaa    420

cctgaatgta cttttctgat gggtttttccc tcatggtcac tgggttgacc actccaacct    480

ttcccaaagg caccattac                                                  499


<210>      40976
<211>      477
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910004a06d1

<400>      40976
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16272

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taatggtata accaacgggt gactagttag taaaaaaaaa aataatcttg atcaacaaac   120

aaatttaaat taaatataag aataaatgac ccatgaccca agcttcttga atgcccttga   180

gacggaaaac caatgtcacc caaacccaaa aatgcccaaa aaagaaaaaa aaacttctat   240

ataattcatc cccttaatta gggacatctc acatttctcc caggtccacc atagtaaaag   300

taattccccc aaacattatt aatccctcct tgaatgtcat agcaattcgg gtgatccgct   360

agaacccgaa gatttgacaa tggtaccaag ttgttatccc aatccacaac ttgcatgttc   420

ctaaaatatg aagcttttcc aaaaccttca cttgcaaaat gtccactacc catttgg   477

<210>   40977
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004a07d1

<400>   40977

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aagacacttt ctggacattg cttaagcagg agtccaagca gaaatggcat tcagaatacg   120

cccttteccac cccagccaaa cccacttgcc atcctcagcc accacaaaat cttttttgata   180

ttccttcttc accatttctt tttcatcatt caccaataga ggatcaaatc ggacttgctt   240

gaacccagct ctctggttcc taacctgcca ctgcttatag gtctcaggtc tctcaaccct   300

ctcagcccct tcacacgcta taacattgat ggcatctctt ccaaacaacc cattctcaag   360

catcactctt tccgggtctt cacgaggcac attagcttca aacatatcaa acagtgatga   420

gaagtggtag agtgcctccc taaaccgagt caggaaaaag ggtgcattgt aagtgccatt   480

gaccacccca tggatgaaca tgtttggatt gatcctnctt atcaacttca acacg   535

<210>   40978
<211>   443
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004a09d1

<400>   40978

16273

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aaaaactgaa actctccatc aaatcttgtt tcccttacaa aaggacagcg aatcaaaacc      60

tgaaagatac acgcgtataa tcagataaat aatagcatca taaattctac aactcgtaca     120

tgggatatca cagcaaaata tctgagttta gagttggttg cattgcatca aatcaaacag     180

aacctagata aaataaaagt cgcaccacga tcagcacctt agacagtcac gatgcaagca     240

cgatgaatgg aatggaacat gcaatcatag gttcaaaaga cccacctgta tggcaaaagt     300

gaaaggcaga caatatgtgc aacttgtccc agattggggc gcgagacaag agtgtttaac     360

agagtcccat tatgccttca cgttgacctt tacacaacag agtatttgcc cggttgagtt     420

ccaccaggaa gttgcaaagc ctg                                            443
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<210>       40979
<211>       377
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910004a11d1

<400>       40979
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tttttttttt tgtttttttt tttttttttt tttttttttt tttttttttt tttttaaaa     120

ggaaaaaggg cccccaaccc tttcaaaaaa aaccttcaaa aaaaacttcc caagggcccc     180

ctaattttgg ccaaaaaaaa aaaaaaaacc tttgggcccc caggggggggg cccccaaat     240

ttttttccccc ccccaaaaaa atggggccca aaagggccgg gttcaaaaaa cgaaaaaccc     300

cctggtttta aaaaaaaaac acctaagggg gggggcccg aaatcccct tggggaaagg     360

ggggaacacc ccccccc                                                   377
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<210>       40980
<211>       517
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910004b01d1

<400>       40980
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aacaccgtgt taaagaggga aattgcattc ttacttgatt ttaaaatggg caaccataat      60

cgtgcccata caatttcatg tatgactgaa tggcattata gattcaaatc aggaggaggc     120
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16274

ttgattatgg agcttatatg aaagaataca aaacaaatca atcatcatgt ttcatttttg   180

aggggtaaaa tcatcatttt tttttattc ttttttttctc cccgcacttc agcaatagaa   240

atacatctca gatggcacaa attaacgcat aatggcatta ttaggtcatt gacaaatctg   300

tatcaatgaa taagatattc atcccaaact gcatgcaaag tcaggtcaag ctggctcttc   360

taagagaatc tccgaacagc tcattcccag gcaaagacgg gagaaactgt caatttagaa   420

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aattgccaca ggtttgttcc caggtgggag tttactt   517

<210>   40981
<211>   460
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004b02d1

<400>   40981

aaaacaacat agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat   60

aaaagcaatg catccaaatt aaaaccacat cggtactggt acacatttga acatcaaaca   120

caacagaaaa cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatcctt   180

ttcctggccc tcaccagact cagcacccac tttttataa tccttctcaa gggctgcaag   240

gtcctcacgg gcttcagaaa attcaccttt tttcataccc tcacccacgt accagtggac   300

aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcggccaa acacttcagc   360

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<210>   40982
<211>   477
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004b03d1

<400>   40982

gaacataaaa aactacccccc aaacaaagaa aactaacaag agatttaaaa atcaaatcca   60

16275

ccgaaatctc caaaaccagc gtcgtaagaa ccggcatcag aaatcatgtc cccaattaga   120

agtccaccca aggctcctcc aagcaacccc gcacccaatc ccattcccaa attgttcttc   180

cccggtcttt gaactgctgc agcagcagga ggaggaggag cgtaaccgta cccgggttgt   240

ggcgcgtacc cataagccgc ttgtggcgcg taaccgtatc catgttgtgg agcgtatccg   300

tatccgtgag cgggttgagg cggcggagga taggcatatt gtggcggcgg cggcggagga   360

tacatggcgg gatacgcggc agaagaagtg gagcccaccg cgggagcagg ataagccgtg   420

acggtgtcca ccttgtgaga aggcgaggta ngtgcgggtg ctgatacctt ggctggg   477

<210>   40983
<211>   519
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004b04a1

<400>   40983

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acttgcatga ggttaataca ccaagaatgt tggcccgcct tatttgggct attgcagagc   120

acatagatat agaaggattg gatccactcc tagcagacga cccagatgat cctcttaatg   180

tcattatatc aaatattcac aaggttcttt tcaatgtcga ttcaactgca gaaacaacaa   240

atagagttca agatgtacag gcagttctaa tatctgctca acggctggga tcacgccacc   300

ctagggctgg tcagttactt accaaagagc ttgaagagtt taggaacaat cctttggctg   360

attctgtcag caagcatcaa tgtcgtttga tattgcaaag aatcaaatat gctacaagtc   420

atcaagacaa taagtgggca ggggtaacag aagctagagg ggattaccca tttagccacc   480

acangataac tgttcagttt tatgaagcat ctgctgctc   519

<210>   40984
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004b04d1

<400>   40984

aacattccca acaaatgctc aaaaataaaa tagcagatca atagccgcac ggtacatgta   60

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caaagcaatt ttttgaaaat gggggaaagg caacacaaaa aatacactca aacgtttttt    120

gggcaaattt tggcttctac ctaattcgta tatgtaaaaa gagaaaattt ttttacaaag    180

aatacactcg tacatttttt ggaaagccct ggaaaagaaa aacccaaaga cccaaagaaa    240

atagttaatt aacttcagtg gttcgatcct tgcagaacat atgccactcc tgtagtactg    300

ctgcttgaag agcttgatgt tcagcttcct cagcagttag tttcgataga gttgatggcc    360

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<210> 40985
<211> 545
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910004b05d1

<400> 40985

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caatgagaca agaagttcca atctaacggc tgatagaaag ttattcaata acataaaagt    120

gatggactta catcgctata aattaattcc tcaaaaataa ggctcagaaa atacgcatgg    180

cacctgaggg gaggaaagaa tacaaaacaa atacttctac caccgagagt gtacataaaa    240

catgtacaat aggaagatgg atccacacat caacccttcc cattacgttt aagtccttca    300

agataagact tgtcagcatt ggttacgcga agttgaaact gggcccattc acttctgcat    360

ctggctcgga ccgaatccct tggccctttt cctttgtcag actctccctg gttcccaaga    420

gaaggaatta cttgatgaac aatccattgt gaatcaatta caccaatttt ttcatgtgct    480

ggctctacac atcttctgag agcaaagtcc aatccccatc catgcactag atcgttctga    540

atcat                                                                545
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<210> 40986
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910004b06d1

<400> 40986

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aaataaacac aaagcctcat tcacagcacg ggggggtctt tcaagaaaac aaagttacat      60

tcccttccct gttgcacagg tttgaccaaa tacactgaat tactaaaatt gacataaaag     120

gaacactagg aaaacaaaaa gcaaaattcc aaacgattat tctgggaaga gtcaaaccac     180

aataatactt atcaacaaga aattcggttg ttgtacccat aataccgatt cctactcgca     240

ctagtctctt caaacaacac caacttcgat tgatcagtag ctgtagttcg aaacatggag     300

gctctctgag gcaccatcag caagctgtga gttacccttg taggttccca gagttgcctc     360

tgagttagcc ttggctctta ccaaaagggc ttcctgagcc ttcttcacat tctcttcttt     420

tccgccccat gccttaaggg tgctctgttg aagtgccctt ccaaaggaga aagagagtga     480

ccatggcttc ttcccattga cctggttaat ggcgttg                              517


<210>      40987
<211>      562
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910004b07d1

<400>      40987

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tgaaaataac catgggaaac tgaaattcag aatgctatat aatgtatatt aaaaaaataa     120

aatcgaggac caaagcattc attacaaatg ctgctacaac aaggtgaagt ttctcacaga     180

agtatatgct tccgttagat ggtcagattt ccctaaaaca acccttctcg caattcatcc     240

aaggaagttt tatcaatgct ctccccactc ttgatgaggc aaattttcct catgtaagtt     300

gtaacatgtc ataacaccga aagtaaaaat gagaattcat ccgagggagt ttcatgactt     360

ttatcaatgc tctccccact cttgatgagg tgaactctcc cgtcgcggcg aacacatatc     420

tctggaatgc ttttaacttc accgttgatg ctatcattat aaactctaat ctcaatgtca     480

ccctcaacat aaactgaaga gtttttaaag agtttctgta ctgcataggc ccncagtata     540

tcattatgca cagcaatcct at                                              562


<210>      40988
<211>      415
<212>      DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmro02910004b12d1

<400>   40988

aaccaacaaa ccaataaatt ttgtagggg ggctggttca acaacactat gcacaatccg   60

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cttttaccga tcttgggcgg gcagattcac ttgcacgaat attctcggtg gggtgatgcc   180

ctcccctttt ggagagtgca accgaacacc acgctggaac gactgaatgt tgatgattgc   240

cattcatatg ccagggaaaa tcattaactt tggtgttgaa gatgaaactg gttaacagct   300

gtcactgatg tcctattgac gaggtagagc catgtgctcc aagagttgtc gggtgtggaa   360

tgacaaatag ccctccattc ttctttgcgt attttatcac ccctgtgcgc atcag   415

<210>   40989
<211>   556
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004c01d1

<400>   40989

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gcaaggttgc tttgtataca taaacataaa gcatagtagt acaagggact ttgtttgaca   180

caaaccttaa ttaattgatc aattatctta gtacacactt taaaatgttc attattaatt   240

ataattatat gatgagttaa taatatattg tggttagggt atgggataaa cgaccacttt   300

tcctgtggct cttgaagttt ctaagtagga aatggcttca ataacctgag aaaatggcac   360

tggagtcttg gcatcgagta taggcttcaa cttaccactc tcaaagtaag gtcttaaatt   420

ctctaagata gatcccttg aggtgagcac aaaaaacata gctggtggat gtccaggtgg   480

tactattgtc acaactttcc catcttcctt aacggcctta aatgctctat caccttgccc   540

tactacatca tacact   556

<210>   40990
<211>   531
<212>   DNA

<210> 40990
<211> 531
<212> DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004c03d1

<400>   40990

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cacatctagg tttactttcc ttgcaaagtg tttcggttca tggcttctct cttcattaaa 180

gtgaaaactg ttataaaatg aaaaatcctt attgctatgt aaggtttgag tgcatattgc 240

cgtgcctcat gccttggctg aatagtttga cagcaaagag tactttttaa cagaagtgat 300

tcgaaactat gacaaccaag acacatcatc ctgtcctgct acgtcgtcca accaagtatg 360

atgtaagtgc atccaggtat actcatctgg tacatcaacc tttgcattca tcagagcctt 420

tgttgaacaa ccccgtgact cattaccaga taactcccac ttgtcaaatt tgaccagcca 480

cgaacccaaa ctaacctctg ctaaagatat acaatcaacc cacactcgaa a   531

<210>   40991
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004c05d1

<400>   40991

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gatctaaaat tagtaggata caggggaaaa gcaaatttaa aaacagacaa ttattttgca 120

ctatctaatg ttgaaataaa taagaaatg cttatttgat tgaaaataca ttaatttgta 180

atgtataata ataataataa tgatatgggg ggtataggta caaattttgc taacattttg 240

tacacaaata ctttctcgca aaaaaacggt gaaggtgatt gattgctcta atcaccgttc 300

aaaaagatca ccattgaaat caagcctcga agtccaccat caatttgttc aacttcttgt 360

tgttaattct ctgttcgata aaactctttc cgtagtcatc actttgctgc aaggaggaag 420

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16280

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<223>   Clone ID: jC-gmro02910004c06d1

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cctcggaaga gtgatgccag actttttttc catgtccacc ttgttattgc cattatcaaa   240

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aaaagtacca gggcatgatc ttcttccact cccgaatgga ataaaatgat aatgttgtcc   360

cctaacatcc aattgacttt gtccattttc aaaaaacctc tccggcctaa actcaaatgg   420

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<223>   unsure at all n locations
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cccatatgcc atgtaattgt ttttctcttt caaaaaaaca atcatccacc ggttctcaat   180

tagaacacag aacagctccc tactttcatc aaactaccac ctattgtcaa aaaataatcc   240

aaaagaatca aaacggaact gcgtatggca acgcatatac ttcgacctca ggcaagtatt   300

gtgcacgagg ccacatagaa tttgaaagct gaaagacatc agaatcacac ttctgtttct   360

tcgagacggg ccttgactct ttcggttcag aactaaataa ccaatcatca tataccgagt   420

ccaatccatc atacgttagt ggtggaatct gtaacaaaga ttcgtacaaa gattcaactt   480

tttgacttcc aggaaccaaa ttctgcaacg ctttgcaatg tttagaatca gagtttccaa   540

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16281

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<212>   DNA
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<223>   Clone ID: jC-gmro02910004c09d1

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aggaaaaaaa aaaaaaccct tgtcctcttg atttaaaaat atataaattg aaaaaaaaaa   180

aacaataacc tagggacaat gagtaaaaaa aatatgtaaa aaataatgag aaaaatagcc   240

agcactgaca ttccatgaca cggacatcca tccatgacct tgattttgta ccctagggct   300

caatttacaa caggtgggta ggaacccata ctgcaacttc tagcttttgt caattgaacc   360

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<210>   40995
<211>   503
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004d01d1

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ctattcatcg atagcaatct aaatgtatga ttgaaattgc aatcatatat atctctaaaa   180

tcagataaga actaccagcg aataaagctc attgaatcaa taattgtatg tacctaaatg   240

atctactacg ccggataatg aaaagaaaaa tacaacctag aaaatatgaa ggagttgtga   300

ttttcattct agcatccaca aaataaagga cattatattc cctaggactt gctgagcatt   360

cggttttaa ttttaattcg aattttggt gcaccagatg tgccttcaga tggctccgat   420

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acctgtctag caacgtccac tac   503

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<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004d03d1

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tgatgagcat aaaaaacaaa attctaatac gaaaaaataa atcatgaagt ttactgtgaa   180

acacccaacc acttagaaaa gttgtcgaat tctgtataat cagaatctga caccatagtg   240

tgataccatg ctttcccagc agccttgatg gcagacgctt cctccttaga gacagtcttc   300

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acctcatcag aattaataat cctgga   506

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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004d04d1

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gtcttacaat ttaacaaaat taatatacca taactgaaat tgattccatc tcaaaaacct   180

aacaaccgaa aatgtcaaat cattgacaaa gaaaagtctg gttaacaaac cattcaatct   240

cccttcttcc taaatgagca accttcggtt aacctcgccc gtcccctgt tggttggcac   300

aaaacagtct ggcagtttcc gcacaccaca acagtttgag agtggctaaa cacagttgtt   360

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atgttgaagc atccctggca cttaacatcc atgaagaaag agtttggtga ctgaacaaga   420

cgcttgagtt tgtgctttct cttctccaac tcagctggag gattcagcaa atcaatatca   480

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<223>      Clone ID: jC-gmro02910004d05d1

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ttaatcattg catatttgag cattggatat aatactaaac tctggatatc atgtaaaatg   180

aaaaaaaaaa tcaatagatt tgtttgaaca taactccatg acgaaaatca aagctaaatg   240

gacaaatatc tcacaccaga ttctagtgtt tgggatttaa ttgctagtct tgtgtcccta   300

ccacctgcta ctgtccgggg ttccccaaaa gccgctcaac tgctgcatgt acgttccctg   360

atgtagcaat aagagccctt atgttctctt gcgtgtcaaa gaaccccatc tcttgaagct   420

gagaaagttg ggtggcatac aattgctccg gtggctcatt tgatctgtta ggaacagcca   480

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aggtccaaaa ccgaacaaca caccccattc aagtccttca cctgtggttt tatgtccatt   180

ttcagcagat ttcctcctca tctcatccaa gatgaaaaga acacaagcac ttgacatgtt   240

cccatattca ctaagcacat ctctagtggc cttcatcttc tcaggtttga gacccaactt   300
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ttgctcaact tggtccaaaa tcgcaggccc accagggtgt gcaatccaaa agatggagtt    360

gtaatcagag atgttcaatg ggttgaaagc ctcaaaaagt gccttatcaa tgttctttga    420

gacaatcccg gaacatcct tgaggaggtg aaatgtgagt ccaacttcac gaaggtgtcc     480

atcaatagca ccttcactgt ctggagcaat tgtttgtgca gtccaaacaa gctcatac      538


<210>      41000
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<223>      Clone ID: jC-gmro02910004d07d1

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aagaagagga aaagatccaa atccaaaaaa aaactacagg tccacatctt gcagatagcc    180

tccattatat tctcaaacag gtatcagaaa acactgaagg cacatccctc acaccatctt    240

ggaatgttgg ggtagatcga actaactaga cagggtattt atatagctga agaaccttct    300

gccaagctgg tctgttacta atatcatccc accaagcact cacatgcttc ctgtctctga    360

ccaaatttcc tctcccggtt tggttcacca aatagtgacc aaatgggagg tggctaagat    420

cagcaaggct gaagaagtca ccagccaagt acttgctctt tgacagcctc tcctcataaa    480

catccagcac cttctcaatc tttttatcac tttcttctat c                        521


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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910004d10d1

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aactattttt ggaacccgaa gataagaaac aaataaagaa aaaatttttt tatcaacgaa     120

taagtccatc atttatgttc atcccaaaac cattctacgt gagtattttg ggccacctaa     180

ctaacgcgcc gttcaccgcc tacattaaaa tccagaaacg tcactattac acaccggcac     240
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16285

gcgccaacaa cccaagtttt tccgtttcca acaagtgcca cgtgagcacc cgagtcaccg   300

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<213>   Glycine max

<223>   Clone ID: jC-gmro02910004d12d1

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aaaaagggg gggggggggg ggggaaaaaa aaattgcttc cagaggggg taaaaccccc   180

gaatttcccc cccccggtt ttgaaccccc cccttatggg gaaaatttt ggtgggggt   240

ttttaaaaaa aagccgaacc aaaggggtgg ggaggagtgt tttttcttta ccaatcactt   300

gtgaaagggg ggggggaaga attttgctcc cgccccccctt ttgtgggggg ggg   353

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<223>   Clone ID: jC-gmro02910004e02d1

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agaactcaac ttagaaaatt tggcatctgt agaaaaaaca atatcatggc ctatctctag   180

aaatttatac tggggaggaa catttttaa ctaatgatcc attagcatga tcattcaaca   240

taatcctact agttctgcct aagaatatac aaaaattaga cccacatata cagggagcag   300

gacctaggac tttagccaga tccacattaa aaagacaaga gatgaccatc ttatggatgc   360

aagtcatact aactgtagaa ctcagtctct ttctggagca tcgccagatg ctcttcttgc   420

16286

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actgaggttt ccggcatatg accaaaccct ctcaaactca gatgtggcca actttttcagt   480

cttcgaatct gcaccctcct ttggagcatt cctttttcaca tcatg                    525


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<223>       Clone ID: jC-gmro02910004e04d1

<400>       41004

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aagcatttac cattttatgt ccaagctgac ctgatattga tgagacatat tggtgaatcg   120

aaatctaaac atctaagctg atacaattac agatgaaaag aactacacta gtataataca   180

atttgttgat cgtttatctt tgagcctgat cagcagtgtg gttgcttgtt gtagatgatg   240

atcctgttct accattcaat attccattgt gcgttggtgg gcaggttccc cacttaccct   300

ctgactcggt cggttctatc actttgacag atccatccgt caacccaacc gcaaactggt   360

tgggttctag aggatgagca gcaaccacaa gaggatacac accttgactt ccacttaaag   420

ctgccggtga caagcatatt gatggagcaa tacgacatct gagcctgaag ctatcagcat   480

caaaaacacc aatgttggca tcacataatg tagcatatat taactgact              529


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<211>       506
<212>       DNA
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<223>       Clone ID: jC-gmro02910004e05d1

<400>       41005

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agcattaatt gtgtactata taataatttt gtacgtagct agctaaaagt gaaaaaaaaa   120

agactaatct taatttgttg ttgattatac tcaccatttt aatctcaatt cctcaaatca   180

agaattaata tatataatct atcctgccaa gtcatgcaga agctgtgctc ccatcaaatt   240

cctgtaaggc aggttttgtc cttcaccgtc caaagagag tactgatgaa ctggttgaca   300

atcttcaatt tggtcccttg gatagtacag tgaactctgt gttgctggcg ggaacgctag   360
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16287

actcacccca tgttgctgta accctagcgt caaagacacc ccactctggt tgttgttccc   420

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atcaagctcc actgacccaa agcact   506

<210>   41006
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004e07d1

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tcagtaccct accctcccccc aacaatatct ttggaatttt ttttatcaag caaaatatga   180

tgacgaggag gatgtatccg ccagaatctc aagttgctct tcagtaaata attctttctg   240

aacattccat gtatcagcat gggtccgccg gaactctgca actgctttag taactgtaga   300

tttcacgggt gatggctccc cactgaagcg agcaagtagt gtaacatgat caggcaacca   360

actgggcatg tcatatgggg ctgataatac agaagctacc aaagctagta cagcaccatg   420

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<223>   Clone ID: jC-gmro02910004e09d1

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tagtaaaccc taccaattat gttatttggt gcgtaaagag catagtatct cctagaaaag   180

atggagacag tgagagaggc cattcaaatt ttcacaggac tcattttttt atgtaactta   240

aagacaaatt gaacatggtc tttcttcgtc tttatatgtg attttttctc aaaaaagcac   300

16288

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ggttcttctt gaaacttgtc caagctcctt aaactgtata gtgctgctga atcgtgtcaa   360

tgtcaagccc cttcagcttc accactgact cgacatgtcc ctttagagta tgaagctccc   420

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<213>   Glycine max

<223>   Clone ID: jC-gmro02910004e10d1

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tagataagga aaccacaaac tcttttttaat tagatagaga tactgttggg aattcctttg   180

aaagtcaacc cttcctcact tgaacgatgg agcaaagtgt atggcagctg aactggccca   240

gtccggtttc tcagacttgg atcactgttc cttgcattga tttttccttc aattccagtc   300

agtttgcttc caaacctttt gaaagcttct aatgccttct tatcagtagt ccaatttgga   360

gtctccctct ctccaaggta tatctcatca gaagcatgcc ttgacaatat ctctatcact   420

gaaagatcaa taagggtctc aaacttgggt gtgattgttc tcagataagc cttttgagga   480

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<211>   505
<212>   DNA
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<223>   Clone ID: jC-gmro02910004e11d1

<400>   41009

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accatcacga taaaccctac ccctcccaga atggaagaca cttatttcct ttttctccat   180

ttctgccctt tgtgccgaac tttgagtgac acaattaagt agagagcgtt atgattgaac   240
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ctaatccttg tacttcattt cagataccag gaagccaggc atgtcaaatg tggcagagaa   300

cttctcaaca tcagctttga gatcttcaat ggccttgttg ttgacgaggc ccttgttgaa   360

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aaggaactca ccaatctgct caaagtcctt ttcaaccaaa cccctagaag tcatggcagg   480

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<212>   DNA
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<223>   Clone ID: jC-gmro02910004f02d1

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aatgaataat gacactgctg gctctcgtat aaacgtgatc tgacatacat atatctactt   180

agaccaagca actgcatcta tttcagcttg tgcactccgg tataactcta gtctctttgc   240

gagcgcacta cgttgtttca taattgcagg atcctcattc aataacgatg acagacgctt   300

ggtctccatt ttgcctagct tggtaaaaaa gtgatcaagt agacttcgtt ttgcctcccg   360

cacttgacaa tagacgatgg acttgggaat tgaattccgt agtgtagcac agaccatatt   420

gacatatgac aaaattgtgg ttccaattcg ccttagatat gaatcattat atctatcaaa   480

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<211>   540
<212>   DNA
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<223>   Clone ID: jC-gmro02910004f03d1

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ttcctaatcc atattggtag gacttactca aagtggagat tcctgaagca ctatgagcac   180

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gaacatgaag aggataaccc agcctacatg agcagcagca acaacgggaa ggaaatcata 360

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<223>   Clone ID: jC-gmro02910004f04d1

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agataactta caacacgtta aaaatctatg ctctggtaaa tcgtaattga agttaaaca 180

actagaaacg aacacaagca tagctggaat gtcctatagt agttgaaatt tagataataa 240

aatggtaagc tttcctcaca cttgttcttc gtttctagtg atctccattt tcaaaattgt 300

gggcgctgat gacttcctga gtgcaattgc aattttcctt cttagcattg gcctcattta 360

ctatttgctt cgccagaaat atgggctctt gagtatttgg gcttcgtggg ctacaatctt 420

tgcttttgcc ccacaccaca gcatataggc ccaaacaaat gataacggca ccgatcaccc 480

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<211>   278
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004f05d1

<400>   41013

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aaaatgagcc ttaacagcca taagacaaaa tgggtataat gattaatgaa ctaaaaaaat 120

16291

aatagacttc agcggtgctg aagttctttt tggatacata tgtaatgcta tctaaagaca   180

tcccccaaatt attggatctc cattaaaatc atatcataaa gtgtagacat aaggactaag   240

atttgtcctc atttggaaga aatcattgat ttcaatct   278

<210>   41014
<211>   295
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004f06c1

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taaccataaa caattcataa agtttttttt ttaaactaaa aattgccccct atctttacag   180

gaaaggggct tactatcccc aagcagattt aaattattgg ccacatacaa agtttttttt   240

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<223>   Clone ID: jC-gmro02910004f11d1

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atttttaatt aattagtcat tgatttagag aaaatctaat tcatcatttg ttgagagagg   180

atagaccacg agcttgcacc cattgttcac caccaaattt tggagccttt ttaccaattc   240

agtacatggc cacaagacct gcacttcccg caagctagtc aaagaccata gttcttttgg   300

aagctccgtc aaggatttgc agcttctaac gtctaaacgt cgaatgcgtg gcattgaacc   360

tttgtcaagt ctccaatttt ttaccttgat tgctatcatc tcaaacactt ggagctgaag   420

gaaccctccc gtggcacagt ggaggtcaaa acgagtatca tttgtctgcg atgacagttt   480

cagaactgga ggctgggaag ctttcctagt atatgcatgg cattggagtt gaaa   534

16292

<210>   41016
<211>   459
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004f12d1

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gcttgacttc cgactatgca attaacattc ctcaagctca gttctcaaat acacttagca   180

aaggaaagtt gaaaagataa gctgaaaaca ggaaaaaatt tcaattcaat catcttacaa   240

acagcaaaat ttgtagtgaa atgctgcagt cttttgccaa acaaaacaag atatatagca   300

atgtgatagc tgtagacgcc aaatttcagg tcccccaact ttctcagtat cataatcata   360

ataataacta taatgatgaa aattttgaaa atgggccaga ctcatctcac ttattatttc   420

tctactttga catgtcacca gaagagcgaa aacaaatta   459

<210>   41017
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<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004g01d1

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gatgtcacca gctattgaac cctaagaatt gatccacaag cttagccaca cagttggcaa   180

gtgtatcacc tgcttcctgt gtggatgcct cagcatacac acgaacaaca ttttcagtgc   240

cagatgggcg cacaaagcat cgaccttggg ggtccttaac aggttcttca tttatggctt   300

cttgtagacc cggagggctc acaaccacag tttctgcatt tgttgtaaca acagccgttc   360

tgtcaacaac tttgaccttg agctggttgc tgggtaaatc atgataaagn tcattccatt   420

tatttattga ccatcccata tgctggaata tgacttccac caagagcaat cc   472

16293

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004g02d1

<400>   41018

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ccctgtggaa tttcgagcaa ctcgtgaaag tccaaaccag ctttctttgc agcacgaaac   180

aacacttctt caaccaaatg ctgagccggg tctccctcgg gttgcaatgt gatgaaaagc   240

tcgacttcag ccactgcctc ttcgtttgac aagtactgat agagcccatc agagcataga   300

atcaaaaatt tgtcctttgg gcctaatctg tggtgtttta gatatggtag gcagcttatg   360

taaggagagt ttcctacgta gtctattcta aacatctcca gaagtgcgtt gttccacttt   420

ggctgtttga gaaatccggc accaaatgct cgagtaactt tgagagaacc cttcacacgg   480

tcatttacaa cagcaaaagg atcatccggg tgctcttttt aattctctgg attcttcctc   540

acactagtac tatga                                                     555
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<210>   41019
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004g05d1

<400>   41019

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cttgaagctg tcaacagagt atgtacagat atagacagga gtggaaccaa attatttgat    240

aactccatga aagcctcctt gcttgtgtta aattgacagt agcatttgtt gtgagccagt    300

tctacatact aattgctcct gttatcattc atctcgaata gccctcaata atcaaacttg    360

cttgtgttga aggtatagta tgtttacaac caactgaatt ttgcaagagt acagtaacgg    420
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16294

gcaaaacccc ctttgctata tttactggtt ggtcctgagg gcatagataa accatatttc   480

ctacttccaa gtagatgcag ag   502

<210>   41020
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004g06d1

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catgttcccg gcaaagtgga atcacatact agtacactag ttacaagcta gcagacaaaa   180

atgatgatgc ttctagctgt cttaagcttt cggccacatg agcaataact cctacaccag   240

cattgtgaaa ccattcattt ttcacctgaa aatcagacaa gcactcgtgt taaaaactct   300

gtatcagtga taccatcatc atccgacaga ttaaatggat gcagtacatg aatgttgtta   360

tgagcaaaga aaggccagaa tgctgagtga aagctgacat caactttttt ccatcccaac   420

tgctgtaatc ctcgaatcat ctcatcttct acaatttcat gatatt   466

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<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004g12d1

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actaggacac ataattgaga gaggaagaaa atgcttctat atcctaaata cttacaaagc   180

attacacaga tatacagaag cctattcctt aaaactaata attagtatca caaagtaatt   240

aatctaaaaa gtacgaagac taatcccagt agtaacatgt atgtacggca atctgaagaa   300

agttctaaac aataagagac ttgcattcgt gacacgacct tcccgctgaa aaataagag   360

aagatcgagc actacaatgc cctaatcacc aacaacctcc gttcaaatcc ttgttcattc   420

acaaaccgcc acaggattag ggaaaatcaa gccgtaacat ttt   463

<210>   41022
<211>   574
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004h02d1

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gctcaacaag ttaatacgtt ctgcaggtat tcagttaaag acaagtaaga aacaagttcc   120

gggaaacaag ttgtgggaaa caagtctgat atccttctaa caaattaatc aacctcctcg   180

catatgtgca ccaagctcgc caaactgatc atcagcctcc actgtatctt cagatagcct   240

cacagcatcc agcttctgct tgagaatttc tatggcattt agaaccaatt gagaagcttt   300

aaccgctcca gtagactcca cagtgaatat gaagctatcc tgcctcgcaa tgatttctac   360

aagcccaggc ttgcccatag cttctgcttt cttaagcacc tcatcatcat atgtgtatgc   420

ctcagcatca accaccatca cctgtngtgt cactggatca atttcaaaga cacgggttgg   480

actactgtca acccattctc ttttctcttt cagagtcaag ggttccatca aatacttatt   540

tatatgaatc ttcggttcat acatgaaagt gaca   574

<210>   41023
<211>   487
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004h03d1

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agccaaccaa tcctccattc cttttactac acttctttcc ttgttgtctt cccaaaaaat   120

ttcaccaaaa gaatatgtac cttacgaaat taaataccta tctcaacaag atatgtaaag   180

ggtcaatttt gactagacta caagctgatc cagctgcatt tgctcaagcc aggctcctaa   240

aacagaatgg tcaatggatt caatttggga atttgaattc ggtccatcag cagatgcagt   300

aggcatagga gatgcaaact tctctttgat catctcaggt ggggactcct tcaccagaga   360

16296

ttggacccaa gagagatcag gctcttgccc attgttcttg cgctcaaacg aggatgatct   420

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accccac   487

<210>   41024
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910004h04d1

<400>   41024

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ataaactgta ggcactttac aaacacaagg aatgcagtta caatttacat gcagtcaaga   180

tacatatagt ttctccgtcg attgtactga agaaggcttc cataggtgcg atcccagaca   240

ccaacaaaaa gtgattctgt gtcagggcta aaagatacac cacagatctc cccaaaaaaa   300

tcgatctcct gctccttctc aaacccactc tgtgcatcat atacatgcac aaagtcagct   360

ggctcggcca ttgccatgaa ccgaccatca gatgtaaacc gtatagaacg tatagctcca   420

aggttgccct taagcacagt gacagacttt gacaagttcc taacatccca aacacggcat   480

gttntgtctt ggttcccagt agccaaaatg cg   512

<210>   41025
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004h05d1

<400>   41025

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ttgcaccatt tttaggacca cacattccct tggatatccc acttgtatgt gtcaagcata   180

catacagaaa ttacatacta cataaacaac atggtcttag cagggtgctg atcctatacg   240

16297

gagatgattt taccagtacc aaatgataaa gctcacaaca tagatattta tacaaactcc   300

ccttagtgca gcatcacatc acatccacaa tcaggcatat ctttgtattt aacggctgga   360

tggatatata gcagctacag ttgagaccat ggaatctact tcacacacat taagaccttt   420

gtagatcgtg gaatatccat tgtctcccca ggtctcgccc tatgaattct taatgatcca   480

gtaaggtttg ttcttaaaac gaatgggagc a   511

<210>   41026
<211>   513
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004h06d1

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tattacatcc aaaagacagc cactacattc tgaaacatac aggaccacat agacaaatat   120

catctttgta acacatacat ggcagttgag aaagcttgtt acaccttgaa agctaatatc   180

acacatacag tacaaggaag aaagaataag aatggtaagt aattaatgaa aaatcatagg   240

aggtcccgtg ctagagtcat tggttttttct tttataatgg tgagttcacc accatttgat   300

gtagttagca gatggtgatt ggaatcctcg tcttcactct cctctgaatc tgagaggcca   360

tcagattcca gttcttcgtc gtcagaaagt gcaagatgtt caggcagatg tctaacagca   420

gcaacctgaa ggctttctgg cagaagacaa ttgcaaaaag aaccaacacg agccagccga   480

tttatccatg caggaatagg ctttccagtt agc   513

<210>   41027
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910004h12d1

<400>   41027

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agaccaaaaa ctgatacatt tcttacaatt tttaatatca gttcactttt aagaatgccc   120

ctatctctgt gcttttgcaa caaggtttac cggaaacaat gttcaccctc aaaaagaaaa   180

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taggagagaa gaaaataaac atagtttaac ttacattaat acaaaacgat agattgcacc    240

cgcaaaaata tctgccacaa tgcgaccagg agccgaatgc tcgcaagggg ggaacttgga    300

cttgtcatca aagtgaatta actgccaact aaacactagc cagaaggaag attttatcca    360

aggccaatta ctggtttatg cacccccttc atcttcagag aagcgcttct tctggccgta    420

atatgggcac caggggttct tgcaaatctg agtttacggg aaacagatta cactgcgcat    480

attgtgccat caattggtcc ac                                            502
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<210>   41028
<211>   571
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005a04d1

<400>   41028

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gcacaatgat aaaatgcgag acaacttatt catacaaaag cagcaggact acttatttca    180

tataaagctt gctcttcact tcagttcttc caagaaatca acgttgtcaa ccaagacagt    240

tttccatcca tctggatcta aaaacgaagt ggttttttgta ttaaggccag gaattggccc    300

tggttgccga gtaatcttcc ctccaacctc ttttatgact tggttaacta cctcagcact    360

cttatataca tcatcagtac caatggcaat ctgtgcataa gcatttccct tagagtattc    420

agtcacacca tagttatatg tcaactccaa cacagttgtc tcgtgctcct ctccataccc    480

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caaagccttt tcataaaact taattgagcg c                                  571
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<210>   41029
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<213>   Glycine max

<223>   Clone ID: jC-gmro02910005a05d1

<400>   41029

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accagaacaa ggggaaaaaa aatagcattt gagctttgaa cctccttatc tggtttttctt 120

ctccagcaat aataggatca tacttaccat ttttcactcc tcctaagtta aagatgaaag 180

gtagaagata catcaacaag cttcctaaca ataacttgtt tcaaaaagtg acaccaacat 240

gtaacatatt aatacaaaca aagatcaaat catcaaatga cagaaggttg tcttaatcac 300

aactcaagat taccctccaa gtgttattct gagattgatt tcaagctctt cttgttgctc 360

aaagttcagg tccccatcac cgcacaattg cggataaagt gattaagctg aatgctgcca 420

catccaattt gcctccacct caatttctca tcatcaggat cagggcagca agtgtacata 480

gacaaggcat gcactatgtg tggcatagaa ggtgcaccaa taacaagcaa ctcatcacca 540

agaga 545

<210>   41030
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005a06d1

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aaaatccccct gaaaacgagg tctttgagtt cacaaaagga taccctataa taaaaaccta 180

tatatagtcc tatactactg cattagctac aagataaaat aaactccaca taagcttttaa 240

gcaggtttct tgctgtggac tccatcacca acatcacgat cacaattctt gtagctttat 300

ttacataaaa ggggagataa agggtgttca gaagactcct gccatggaag gcaggtcgtc 360

gaagctccaa aggttcatag ggtttccggc ggcgtcatga gttgcgtctc cgccgagcaa 420

agacgccaat gtagcatcag cccaggcttc atcaagaaaa gaagggtct caaagaa 477

<210>   41031
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<223>   Clone ID: jC-gmro02910005a07d1

<400>   41031

16300

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gggggaacaa aataatccac actcattgga tattctacta tataatcatc caaataaata   120

cactgatttc ctatcgctac aagggtaatt gttaccccat ccaaaacaac acgctaacta   180

gtaataagca atcccaaata agtcaattac cgggtggtaa cccaggcttc tacagggaac   240

taagctacat tttcaaactg ctgcatgata ctcatctata gtttgtttca ttgcatctaa   300

ctgtgacata ataaattcca ctttcttgcg acaaatctca ttggcgattc ttgaaccata   360

gtcacatttc tcaaatggac gatattcaca agcacttttg atttcatccc gcaatgcaac   420

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ggaccaacag ggcttgcaag ctcatccatg                                     510
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<210>   ~41032
<211>   401
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005a09d1

<400>   41032

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ctattattaa tgggacacaa ttgagttcaa cacaaaccga acttattttc aagggacatt   120

attacagaac ccattaaaca tcaaagttct tcaaatgttt tgggaacaca tccaacatta   180

cacaacgagc ttaaaacccc ccacggagac ggaggacaag gtgaagggtt gattccttct   240

ggatgttgta gtcagcgagg gtccttccat cctcgagctg cttgccagca aaaatcagcc   300

tctgctggtc cggtgggatg ccttccttgt cctgaatctt ggccttcaca ttgtcaatgg   360

tgtcagagct ctccacctcg agggtaatag tcttacccgt a                       401
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<210>   41033
<211>   569
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910005a10d1

<400>   41033

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16301

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gcaaagggtg atgtcaagac agccaatttt tcagcanaaa aaccagaaat aaaactgata    180

acttcccatt gaacacaaga aacaaatgct ttttactcat gagaaacaac gagcacttgt    240

tttccaacat tgcgaccgct aaaaaggcca accaatgctg aaggtccatt ctcaagcccc    300

tcagctatgt cttccacata cacaaccttc ccctctctga tatttggcag gagaaactcc    360

aagaacttgg gatataggtg aacgaaatcc atgaagttaa agccttgcaa acgaatccgc    420

ttatatatga tctgtgccaa atttgttaca ccttcatgtt gagtaagatt atactgtgag    480

atcattccac agacgggtat gcgaccacgg actctcatgt tcaggagtac ggcgtaagtg    540

tcttgccccc acattctcaa agtaacatc                                      569


<210>      41034
<211>      530
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005a11d1

<400>      41034

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tgcatttgga acacagtgac agcctggcct aaagcaaata attttatcga caactcacta    120

ttaaataatt catcatcaaa atggaactag agacaaaaca agaaaataaa acaagagaaa    180

ataccttaca tacagctata agcttaatca gctaacatcc ctaagtcttt ttatcaatgt    240

atccaatgat ttccttttgg gattctgcct cgccccacga ctaccaaagg ttccaaagag    300

ccgatcggaa ggatccctca acttttctga aacaatcacc actttcttgt ggtccaaagt    360

attgtaactc ctctccctga tcactggatt caagaagttc tctggatgat tgcttaacag    420

caaattaatc agttgctttg agccggcaag tgatgctctc agaacatcaa catccgcatc    480

agagaaaagg gaggcctgat tatcagcaaa tgattctaag agccggatgt                530


<210>      41035
<211>      287
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005b01d1
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acaagaagaa cactgttaat catccctcaa agaatctccc gcggttgaaa aaaaaacac   120

cgctccttac gaaaacggtg acgcccgaaa gactgatacc cgcgcacaaa aagctgaacg   180

tggaaggagg gggaacacta caggtatctt tcttctacga agaaaaaaca gatgaatttt   240

tttttagatc ccccggagac cgcaaaggga atgagccccct tttcaaa   287

<210>   41036
<211>   480
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005b02a1

<400>   41036

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atttgttgaa tacaatagga aagtaaacac atacaatcaa cttacacatg cacaacaatg   120

acaaggaaga aaaagagttg aagaagtgta tatacacaat tacacaccac aacactcact   180

caatatacca aatttaagat ttttttaacat taggttcgag tcctaattcc tttctggttt   240

tcccaacaaa caaatcccct gacttgatca tgccaggaag ccttccaagc acagtcatga   300

atgggaactg tgcaacagct attttccttc caagtgaaac tatagatatt ggtggctgtg   360

ccttgtatgt tcccaactta cgctctttgc ctcctccctc tatcaatagc ttcaggttct   420

tggcaaccac ttgagcatga gcacttgcat acatcccttg gttgatttct tgaacatctg   480

<210>   41037
<211>   391
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005b02d1

<400>   41037

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cctgtgtcca attttacctt tttccccgtc agggttgccc ctttgattcg atttcttttt   120

gcccccttttt acaaagtttt gccttgcatc tctgaatttc ccccaaacca accaataact   180

16303

tttggggggag gaaggggatc ttcccccctt tcctccaaac aaaggctttt ttcaacccctt   240

ttaaaagaac caaaagccca aatgaaaacc agggtttacc agaccttta ggaatcctcg   300

ggggttgaaa tcaaaggggg gtcgggttcc ccgttccgag cttgggtttc aatttggggg   360

ggaacctcct gctggtgcga aaatagcccg g   391

<210>   41038
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005b03d1

<400>   41038

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cttaatattt aaacacaatc aaccttgtag agtccatgat gcacctggac taattcttat   120

gaggttcatg taatgtaagt gctgccacct atttccggtt ggaaaaatta ttcccctcca   180

cgaaatgttt aagtatgtaa tcttctgcta ctcgcattgc acatcatctc gtgattcact   240

tttggaactg atgccgttgc catccaatca cacctttggt atctggtagc ccacaaacaa   300

ccattttaac cttaaagcaa agctttcgca attatacaaa tccgtaatta ttattcctac   360

attgaaacac atggattaat tattatcaac aaggatatgg tgtaataatc ttcatggtgt   420

gatataaagc tggaagacca tcttgccctc aacaatctcc atcttaatta gaaatttcct   480

tgtggaaatc atatttc   497

<210>   41039
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910005b04d1

<400>   41039

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tggtaaacaa gaattagaaa aggaaagggt ggaaggagat gcatttattt aaatagaaga   120

aaagaaggct aaatcataga ggttatacgg aaccttgcaa tcctaaagta actgatatca   180

16304

16305

ttcaattttc aaaccaatgg ccaatttgaa aacaggcgtg caattcatga aagccaaaat   120

ttatttagcc taaacccaaa aaccttaaca aacattattt tcctaattcc ttccaaattc   180

taactaggcc acttaattaa cctcctaaat tttggggcca gcaccattac caccagcagg   240

gggagcatta ttatcgacgt taccaccagt accaggttcg ccttgggaca ttttcgctat   300

aatgggattg cctttgccct caagcttctt cattttggct tcaaatt   347

<210>   41042
<211>   597
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910005b08d1

<400>   41042

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caccaagaag tttccaacat gcaaaatctc aatttcctct acctaaccat catttccctc   120

actctcatcc acttccactg catcctagtc caagcacaaa cctcaccctc agacattgca   180

gcactcaaag ccttcaaggc ctcaatcaaa ccctcctcca tcactccctg gtcatgcctc   240

gcctcatgga acttcacaac cgacccatgc tcactccctc gccgaacctc cttcatctgc   300

ggcctcacct gcacccaaga ctccacaaga atcaaccaaa tcactctcga cccagcaggg   360

tactcaggca cactcacccc actaatctct caactcacac aactcaccac acttgacctc   420

gctgataaca acttctttgg cccaatcccc tcttcaatct ctntactctc aaacctccaa   480

accttaaccc ttcgatccaa ttccttctcg ggcacaatcc ctccctccat aaccaccctc   540

aaatcactcc tatctctcga cctcgcacac aattccctct ctggtatctc caaactc   597

<210>   41043
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005b09d1

<400>   41043

gacacataaa tttgattttt taaaagcaaa ccaagcaaaa attgaacaca aatataaagt   60

tgacatttaa aaagcaaacc aacaacgcaa cggcaaagcc ctaaaactcg ctgcgcttaa   120

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caaaaatggt aatcaggggt tctcacaaac acaacacatt aaaacagaat gataaaagga    180

gtcttgccac cgtcgatcaa gaacccaatt ctgggaacaa aagttgcgag atgatggtgg    240

agacttcaaa ctatgtccga aaaacaagct acctagaaac gaagacacaa gggcaagaaa    300

ccaacattta ttgtaaccat aagaaacgac atcccctgat gaaccaaacc gcacgattca    360

cttcttcttc tgggcagcct tggtgacctt ggctccagta ggatccttct tctccacgtt    420

cttgatgact cccacagcaa ccagttgacg catatccctg aca                      463
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<210>    41044
<211>    441
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmro02910005b10d1

<400>    41044

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ggtgtattgg atggacaagg tattttttgc ttaccggctt ttcaaaaatt ttaagaataa    120

taattatgct gggttcacaa tgaaaattgc atctttaatt gagccaagag aaaagaataa    180

taatatacat gcctagctat tttgatcaag caattaaatt ttgaaaacag cctatcagta    240

gcgcaatcag agatgaaatg aaatatggag caccaaaaag agagaatgag gtttactgca    300

gctttтcccc cttacccacc aaagtaaccc aaattagaag gatttaaaga tttgtagatt    360

gattggacag acacaagcaa aactcttccc aggggccaga ataagtctaa acatagcaag    420

gagactgatg caacttcaac c                                              441
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<210>    41045
<211>    463
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmro02910005b11c1

<400>    41045

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aatttatttg aaatataaat gaagagtaag cccaagtaaa cagagaatca tggaactgtc    120

cagatcctca tccttatcac aatggacata tagtattaag tggacaagtc aagaagttga    180
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gttcatgaaa taagcaatat acaatatagc aatactgtaa taaaaggacc agtcctttca   240

aattaatact gtgccacaaa cttctcactt gttcctacat ctgcatctct tagaagctag   300

ggtttccacc accaatctta gatacttggc ttcaagttca ggtgagatgc tatcttttgt   360

ccaagagaac gatcagcctg agaccagtat gatatccaga tgctacggat ttcatgggtg   420

acacgtgggt cagacaaagc atcaacccat cggcggacaa acc                     463


<210>      41046
<211>      128
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005c01d1

<400>      41046

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tttaagcttc tctgctttct ttcccaaggc ttgttcccgt ttcacaactt tctcctcctt   120

ggcttgga                                                            128


<210>      41047
<211>      430
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005c02a1

<400>      41047

aggtgggata ttagagtact attattaatg ggacacaatt gagttcaaca caaaccgaac    60

ttattttcaa gggacattat tacagaccca ttaaacatca aagttcttca aatgttttgg   120

gaacacatcc aacattacac aacgagctta aaaccccca cggagacgga ggacaagggg   180

aagggttgat tccttctgga tgttgtagtc agcgagggtc cttccatcct cgagctgctt   240

gccagcaaaa atcagcctct gctggtccgg tgggatgcct tccttgtcct gaatcttggc   300

cttcacattg tcaatggtgt cagagctctc cacctcgagg gtaatagtct tacccgtaag   360

agtcttcacg aaaatctgca taccaccacg aagacgcaac accaagtgga gagttgactc   420

cttctggatg                                                          430
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16308

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<210>      41048
<211>      515
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005c02d1

<400>      41048

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accttattaa gacatctata gaaaacaatt gttccaccaa cctaaagaca aaatataaac   120

aaaaaaaaat aaaacaaaac ttacaaagga atccgcacgg cattttcttt tttctctcta   180

gctcaaaaaa aaataaaaat tgttcaagcc tattaacttc agtcatgttc tctcaagatg   240

tctattttat aatttacctc ctgttacact tatttacggc caccaccggt ctttctagga   300

ggaggagcag tgtcctcgtc gtctgactga atatctccat actgccacat tccacgcctg   360

ctggtctttg cttcatcctg gaaattctcc aaattatcga gagctgtctg tctgtctttt   420

ctgtcccacc tgtttctttt ttctgtccta gcaagccctt cctgtagcat ggcagcatta   480

acgctgattt cagcatccac agcaacaaga gttac                              515
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<210>      41049
<211>      512
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005c03d1

<400>      41049

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agataactat gaaaagattt gagaaataca agggaaaaaa gaagttggtg tagaatagac   120

aagtcactta tgattattgc aaacttgact tgaaatatgg cagcctggta ccttgcaagc   180

ttcaccacaa gccaaattgt caagcagctt aatcacacat gtggctggtg aaggatcaag   240

aaccatccat ttggatatca gtgccatttg gatttgctgg atttgcatta taggggtttc   300

cagccacatt cttctgagtc tgaccggcac cgaatgtaaa ctcggttgga gcaatatcta   360

ggggtgctcg tgcaaagatt gaaggagttc cagcagtgct gaaggaagga agctgagctg   420

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gcacagagct gccactatca atcggtccat ag                                 512
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<210>   41050
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005c04d1

<400>   41050

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gggaaaagaa aataccaaaa catgctaaca ttttcctgag atatatcagt accactaaat   120

gacattatta aaatcctcat aagatcactc atcactagac tggtctttaa attggaacat   180

ggaaaaacag aacagtgatc acaatcatca tgagaaacaa gttgccaata acgtaaaaat   240

cggtggttga aactttaatt tggtataaat ttcttctaaa ttgatcatag ctcatccttg   300

cttgaagcat cttcccccat tagttcttca agagaaaact catcctcctc aattatttct   360

ccatcttttc catcccatgg ttctgtcttt acaattgttg gagttccttc aatgggcaaa   420

ttccctttgc ctccacgtcc agcttctttc acaaattcta taatttggtc aagttcaaaa   480

gcactcttga gaggagcata aaca   504

<210>   41051
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005c05d1

<400>   41051

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ttacgggaat tatttagcat tttacattca cttgctcaaa aataaaacac gctagtaata   120

tatatttgag tcagcaacag agcaattaat ttccgacgca taatggtagt agtagattca   180

aacgtggcag gtgcttaacg aaaaacgaca atatttacat gcaacccacg gttttcttag   240

cttatccttt cagcggtgcc tgcttctggt ctccccactg tacagccagt cgtagacagt   300

gggagtgttg ggaagtggtt tgtcaaacat ttgagcaccg atggtctttg tggcggagtt   360

gctcccagga tggaagacgc tcctccaaac gttgtcagct ttacgcgcgg atcccggtgt   420

cgttggagtc gtgggagtca tcggggttgt cggtgt   456

<210> 41052
<211> 443
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005c08d1

<400> 41052

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gagttcaata catcatttta aaacataata aacagcagca cttaaaccag agctgcaaag   120

cacaagttca agggagacac tgaacaaacc gataagacat atgagaacac ttcataaaag   180

ggattcccct tagcaaccac cacgaaggcg aaggacaaga tgcaaagggg attccttctg   240

aatattggaa tctgccaagg tacgaccatc ttccaattgc ttcccagcaa aaatgagcct   300

ctgctgatct ggagggatac cttccttgtc ctgaatctta gctttcacat tggcaatagt   360

atcagagctt tccacctcca aggtaatggt cttccctggc agagtcttca caaatatctg   420

catacctcca cgaagcctta aca                                           443
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<210> 41053
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005c09d1

<400> 41053

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atagtaatac atctccagtt aagatgctta caacttacaa gggtgggata aaaggataac   120

tatgatcaaa attcagcact atatgtcaaa ggtgcagctg tgacaatata ccaaaattag   180

tctataacat ggattgtcag ataaccaacg aatcccacta gaggtatcct tcattcaaga   240

tccttaacga tggatctcgt gttgattatt cttctgaaag caccttacag cttccattat   300

tcacctaaca aagttgaaag aaacagttcc tgcacaaaac cagatctccc agcagcttgt   360

ctcatccgtt tctcgcgctc ttcagtactc aaggagggac caaaactgca taaagagaca   420

gatcaaagct gtgatacaca gatcattctt ggataatgat gaagcatgca cactatgcat   480
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<210>   41054
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005c10d1

<400>   41054

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aatgtgtgta ccaagtcaca ggctcacagc tgtagaatat tccaaatgat acaaataggg   120

gaaaccttta tttatattta tagtaaaaag catcaactga gctctgtatg tcccacaagt   180

acgaaacgat taccaacaag taataacaca cacaggcagt acaactagtt ttgtagttta   240

gacgacttcg gcaaagtcat cagaatatat gtctaaccac acatttatat tttatattag   300

gacacacatt cacaacattg agcattatag aatcatctcc cacatttact catccggcaa   360

cttttcttgc gaaagttctt ccagtcgaaa tctgctgtgc gggcccaagg atgaagtttc   420

cagattcaga aatccaattc ccttcagcct tcattggtgg aag   463

<210>   41055
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005c11d1

<400>   41055

ccagtaatag ggtttaatat tataagcaga gattcataat tcaaattagc cgaactttat   60

acagaagcga ccaattacca aacattaaaa aaaaaaaaaa ggaagcaacc atgagcttaa   120

cacacccatc acaagtccaa aacacttgaa cttgctgaaa ggcaagacat gaccacttta   180

ttctaaggat gtttgtttaa cacaaaacac cagagggcac gaaaaccatc acagacttaa   240

tacataagtt tttagctcca cattaatagg taatcattat tcctaattaa gggctatctt   300

tgcttgaagc ttgctttccc aacacctaac ttgcaagtgc aggggttgca ggagcagttt   360

ggtccacatt tgcagccatc gttctaaggg ggcacaccca tttcagcacc ctcaaatgga   420

gccttaacag gtgccactcc catgacc   447

<210>   41056
<211>   268

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005d01a1

<400>   41056

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ctttgcatga gcaagagccc ccagctctca ttggacccta atccactgtt ggttgaaacc   180

caacctttat attcacatga agcacaaact ttaaaggaac gaatgatttg tgctcaagca   240

ttatcaagag caaggacacc agggagtt   268

<210>   41057
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005d02a1

<400>   41057

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actggacagt gaagcatcta caacaaaata ctacaaagtt catttcatcc catgtttgga   120

aagattcctg agaagtttgg aatcttatca acatgcttga gggcacgctc agctgtctgc   180

cgagttcgat agtcaccatg ctggaaagca tccacaagtg cagtactcac attttggtcc   240

ccagaaactt cataggctat atcatctgtt ctcaatagtc tctccactgc ccaaactgcc   300

ctcctcctca atgtttctgt tcttttctca agtagcacat ccagtatagg cttcactccc   360

tctgcttcac acaaaattgc cactccttgc tcaatatcta ctccatcctc tattaaagta   420

gataaggctg cgagtgctgc ctcgaccaca atcacatttg tgtggtgcag tagacctact   480

aacttaagca ctgcctgccc tttatagaga cagaatgttt cctttaaaga cata   534

<210>   41058
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005d02d1

<400>   41058

16313

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aagaaggctt gttatttaag ttacaaactt gatttttcac caaaaacaaa gttacaaacc 120

ttgatcttgc attagaagca tccctcatag ggaagcttaa ttacacacgg acgacccatt 180

caagacatta aagcaatatg aaagggtcat gggttcaaaa tctacactag gtaatttaca 240

ggatctgctt cctatacaaa agaagacacc aagctatcac tacacactag tttgtcacag 300

gagttggcta catcccaaat atggggaaac cttgttttgg aaaaggcacc aagctatgtc 360

ttgggtaaca tgtcatcttc agaatttagg aattcttcta attcatccag cattgcttga 420

ttatgtgtca gcttcatcct tctatattct tcttgtgctt tcttagaacg gaacatggcc 480

tgcacacgta tgacagacct ctcaacacgt tcttc   515

<210>   41059
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005d03d1

<400>   41059

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aatactagac caccccttt tacatttcat cccaatggta cattatttac agagccaaga 120

gaagcctcag atgatttaac ctcctactag tttctacatg aaaatgtctt gaaattgtcc 180

agaagattca accttcatgg caaaatatgt gggagcagca aactgggcat atagttaaaa 240

agtagataat attatgggct gcagaactaa accaaaatct ttccaattac caaagaagca 300

attatccgca ccaccatcca atcgttgtaa ctcctcacaa gtcaagggtt ggatgatgtt 360

ggtaatgcac ggtgtgtgga ccgtgcttga ccgctcacag gttcatttat cctactgaat 420

actacttgga ggggaataca agctataaca ggacccttct tatctaccac tggctttttt 480

tcctttctt   489

<210>   41060
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005d07d1

<400>   41060

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agctattaac atttaacaag aggcagcacg atgaatttac atatcatata ttcctgggaa   120

aatagctgct cctggctcta catttcaact cataaaacct taaaacttca gtaacaagat   180

attcccgaag gatgaaatta gattacaaaa ttgatcaggt aggcaggaca ctccactatc   240

ctaaacaaaa gaaatttgcc caaacagtta aatatactaa aattgaccag tctaagagca   300

atccaattct tgcagtaggc tgctagacgc tatggtctct tcagttataa tactttcgtc   360

atctctcttc aatcatctac gagtcccaac tctgcataat ctatctagtt tgaatttttag   420

cattcttgaa catctttgtc attgagatca atgggaaggg caacctttag ctgatctgaa   480

ccactggaaa cta   493

<210>   41061
<211>   420
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005d11d1

<400>   41061

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tttgattagc tagctgagat ttcatgcgta aaactaacat tcatgtttaa tttgctggtc   120

ttctttgaaa acttatcaaa gagtaataag ctccacctgg gccatgagcc aacaaagatg   180

aggggggtccc tttttttcacc acttttccct tatttaacac agcaattagg tcacaatttt   240

ggattgggct taacctgtga gccaccacca cactagtttt ccccaccatt acccttttta   300

gagcattttg caccaatttt tctgattggg tatttagggc acttgtgggt tcattcaaca   360

acaacacttt tggattcttc aatatggctt tagctattgc aattctttgg ttttgacccc   420

<210>   41062
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005d12d1

<400>   41062

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aaaagtttta caaacaagca aacatttcct aacataagcc tagattaaaa tattttacaa     120

gttttacttt gcaatattca aatgagtccc tttgggacac aaattttcac ggacatgtta     180

tttcataagg gaatcccatt attaataaac cccccaaaga agaaccaatt aaaaaaagaa     240

aaagagcatt ggaacccatg gagattgatg gagtttcagt aagaaaaaca tccatttcct     300

tttggatccc gaaatccaat gttctcaatg gccccaaccg ttttgaacat cctcctcttg     360

ggaaactctt ccaccagtga tcgttgctgt tgctggctcc tcaaatcgac caaggaacgg     420

atcctggtta acctgtgcat tccatg                                         446
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<210>   41063
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005e01a1

<400>   41063

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gacatgacca tattcaaatt tacattgcaa ccaaggaatg tatatataaa aataacaaaa      60

tcgcccataa cgtacatata taccagatac aaatttttca cgacatatga tattacaaat     120

gactaaaact tctagataac aacgaacaaa agctatataa tgaattccca cactaccacg     180

cagttcaaaa ttattgcata ccaataattt caagaaccct tattaacttt cactttcaaa     240

gggattggta caacaatatc atatgctaat aaatataatc ttaagatgaa gaagcaggtt     300

tggaagatgg gttgaaagga acctgctcag cgcatgtaag gatttcatgg ggcccagcct     360

gttctcgacc aacacctaga aggtcaagat aatactggta atgggaaacg atattgttca     420

tcgagtccac atcaccttgt ccacaaacac catccccata gagaatgttc attgtagtgc     480

caaatccagg aagacgattc tccatagtat cattc                               515
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<210>   41064
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005e01d1

<400>   41064

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catcacacgt acgtagaaag gtgaagttcc aggtcttgca caacatacac aacacaccat   120

aatttatttt atatacaatc ttatggcgcc caagatgcag atgcatggac taattaaaca   180

acaacgttag tctgataggc agtgtccata gataaattgg gtacccataa aatggccttg   240

cttccaagga aatggcaaac agggttagtt ccaggatcaa ctcccatgag ttcatgaagc   300

atgagatgat tcattccaga agtatctgag tggcaaacag caagtgcctg agttttggtt   360

ccatcaccag ccaccaatgg aaccatgaaa gcttgtgttt cccggacttt atggcagaaa   420

atactgcagt tctgaaattt agcccatgac aca   453

<210>   41065
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005e02d1

<400>   41065

aacaagctca agcaagaatt ctttcactgc tttctcattt atactagttt aagttaatta   60

cgaccacagc tctagataca atcaaaatgc taaaagcaag gatcactaca aaagctagcg   120

atatctaaat taaactaagc tactcataaa gtacatagtg attgttttgt ttgactcact   180

caccaaatta cctaagaaac atgtcttctt aagttactat tggtatttga taacaagtat   240

tataacctta ggtttttatg atatctgctt gttcctcaac agcaaagcat gctcaagctc   300

cacctccact tccccaattg ttggtcgccc atttggttca tacttcaagc atctctagta   360

tcaatctctt ccatgttaga ttccagttcc actcccatgt caataatggt ggtggaaaat   420

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tcaagc   486

<210>   41066
<211>   518
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910005e03d1

16317

<400>   41066

acttaaaaga atagaagata atcaaatcaa tgtgtttcct aagaaccttc aaattttttcc   60

ataatctttt aaagacgcca caaataaaaa ctcagatata cagggaggat acggtgtgtc   120

agaaacacca gtaaagtagc aatcactcaa atgggattcg gtaggactat gatgatatga   180

atataaatct ggaagctaca gtgattacaa attagtaaga aagaataaat ataataagct   240

tcaagaagga gcctcatgta aatattgatc gttaaagtga tctagatgta gaactaaggc   300

ctctgccggt gactgctgct gcagaagctg gacacttcac ataaattgcc caaactggtc   360

tgaatagaag ttatcaccgg nggttgtgta ggcgaggcct gttgcagaaa acacggccat   420

tggccctcac aaatgctgct atgccgatgc taatgcccgc ccacattagc gaanagaaga   480

tgtgccggaa atcatattga acttgcctca gtgacatg   518

<210>   41067
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910005e04d1

<400>   41067

aaccatcaaa ctaaaccata tcgatttcag taaaattaaa tatccaacaa aaccacatcc   60

acttcaataa agagaaattc aacattggct actatgcctt gtggaaggct gagagaaatt   120

ggccttacaa tttaacaaaa tttaatatac ataactgaa attgattcca tctcaaaaac   180

ctaacaaccg aaaatgtcaa atcattgaca aagaaaagtc tggttaacaa accattcaat   240

ctcccttctt cctaaatgag caaccttcgg ttaacctcgc ccgtcccccct gttggttggc   300

acaaaacagt ctggcagttt ccgcacacca caacagtttg agagtggcta aacacagttg   360

ttatgttgaa gcatccctgg cacttaacat ccatgaagaa agagtttggt gactgaacaa   420

gacgcttgag tttgtgcttt ctcttctcca actcagctgg aggattcagc anatcaatat   480

cattctgaag aaccattgtg agaaagaagc gc   512

<210>   41068
<211>   545
<212>   DNA
<213>   Glycine max

16318

<223>   Clone ID: jC-gmro02910005e07d1

<400>   41068

cgactgaaac ttcatttcat tcatttatgg ttctggtcgt gtgtagtagt ttcttggtca   60

ggagcaacca ctagcatata aatttcaaca atgagccaag aaaatatttt ctcatgttaa   120

ttcccgcaaa tacatcaatc ttctttgcgt cctttttttt aaaatcccac atattgtgtg   180

tactgcgagt aggcccctga ccgcttggca atggggggccc gtgtaacgtg atccggaaga   240

tcaaatgcat caacaagttc ccttgcaata ttcctcactt ggaaactaag atactccgcg   300

agcttgtgga ttgccttggc tttgttggga gccacatagt caacatttcg gtaggttcca   360

atgtcattcc atattctatc cagagcataa agatcacaga cgagcttcag agcagcttgg   420

gagcttggat ccggacagct ctgcacggct tcaataaatt tagcaaggat gactgactca   480

atatgtgact ctgcaagtgt caaaaggtga ttcaaacatc tattccatgc accaaaatcc   540

ccaag   545

<210>   41069
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005e08d1

<400>   41069

cttatgacat tagctgagca tcacttttat ttattcatat tctgtgatga ttcatacggg   60

aaatatatga atccccacag ttttagtccc caatacaaag agcactagat cgactcacca   120

caaagggaac attcttagaa tagcacaaac cataaacaat aaaacactag taatctagtc   180

actatctata ttcctgaaat cagaaagtgc ctttttttcat tttaaccaag ctgaatttcg   240

gagtcaaaga cagctccacc ctcccaatca ctagagataa cattctcgga ttgcacccaa   300

tacttctctg cattaccact caattggaac ctcaacttta tgtcacccct tggagggttc   360

tcagcgtcaa acacagtccc aaatgccctg cgcattcgcc tccactcttg gcaatcttcc   420

tgccacaatt caacagcagt tacgtcgtaa gttccaccaa gatagagaat gacaatggct   480

aagtagtgag ggtttctgct gtgttcatg   509

16319

<210>   41070
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005e09d1

<400>   41070

acataagatg atgatttatt ctagtttgca ctttgccatg ccagctatca ttgttgaaac   60

atgcgcgaga acacttaaca gcaatttata caaacagaat ttcttcatta acaacttaac   120

agcaaacacg agaacattca atcaccccaa atacataact taaccataca taggtagatg   180

aaggaatcat attccttcta ttcacttta ttgaaaacca gggaaagtac tgcaacaacc   240

atagagcccc tagatggaga tactgttggg aattcctctg aaagtcaatc cctcctcact   300

agaaggatag agcaaagtgt aaggcatttt agccggccca ctgcggtttc tcaacgtctc   360

gtccttgttc ttctggataa gcttttgttc aatctcttga agcttctttc caaacctctt   420

gaaggcctct agtggaccag catcagaagt ccaatagtca ccacca   466

<210>   41071
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005e10d1

<400>   41071

aattaaagca aatatatatt tttattttc caactttag cccaacatag ccgaagttat   60

tcaaaatcta taatacttca caccctattt attcatagga tacattgata tggagcacga   120

ttttcttcga ctgtattata caattacttg attttcattt aatcactata cttggtagca   180

cttgctttag gttcagaatc gtacttggta tttgacctgg atgcaaagtc atcatacttg   240

ctaatatttg gtctcggttc aaaatcatcg cttttggtaa tgcttgattt gagttctaaa   300

tcatcatatt tggtaacact tggtcttgat tcaaaatcat cattctcggt aacgcttgac   360

ctgagttcaa agtcatcata cttactaata tttggtctcg gttcaaaatc atcattctcg   420

gtaacgcttg acctgagttc aaaatcatca tatttggtaa cacttggtct gggttaaaag   480

tatcatactt tgaacacttg gtctcgttca aaatcatgtc ttg   523

<210> 41072
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005e12d1

<400> 41072

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gacaaacaca aagaacaggt attttacatt taactaaaga acttaaaagc ttagcagaaa    60

aaaccttaaa gtgttactac actaggcagg aagcgtcatt cataatccta agatcagtta   120

ctagctcaat gaacagaatt ctcatcactg tcaattctag tgccattggc cataggcgac   180

acaagaccac ccacaaacct gtatgaggaa ggagaaggag gaactttggg agaaaggtta   240

agcatttcca aggcttgtag tctaagctcc acagggtagt cagcaacaca accaattcta   300

ggtcctgccc cggttgacca tctatgcgaa agttggtgcc ccaattggta ggattttgta   360

gccttcttgg aattgattct ttgcaatatc gctttcttcg gcacatcagc tcttggactc   420

tgaagcccac ctgagagagt ccttttgtaa ctgccaacag atccaggttg acggtcttac   480

ttgattgagg atgccgtgtt ctcggcttgc tcagaaacta caggcttgga tatcttacca   540

ttgctagaat ct                                                       552
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<210> 41073
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910005f02d1

<400> 41073

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acacaaatta ttttcataaa gcagaaacag tctgcagcga tcatgagcat gttgataaat    60

tatgcactac aaaaatgaac agtgataatt aactcctcta aaatttactc aatttcatcc   120

aacacaaccc gataaatatt atattgcttg cacatgttt gtatttctca agataaaagt   180

caggtctcag ggtttccaac cccctttgca aatgggtaga ctaaaacttg aatcatggca   240

aatgcactag ctcagtactt ttgacaccac accggcacca actgttcttc caccttctct   300

caaggcaaat ctttgtcctg cttcaagtgg aactgctgaa atcaattcaa acacggcagt   360

aacattgtct ccaggcataa ccattttaac attttcgggc aactctactt ttccagtgac   420

atcagcagtc ctcaagtaaa actgaggttt gtagttagag aagaagcagt gtgtcgccct   480
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ccctcatcct ttgtgagtac atatatctc                                    509


<210>      41074
<211>      531
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910005f03a1

<400>      41074

caaatccaaa aagaatatca tatattgtct tcgatacatt ttacattaat gaaaaatttg   60

ctaccttgat ttacattgtc aacaacaatg gctgctcagt cctcatcatg tcaccaaaga  120

gctttgaagg tttgccctca tcagccgtta tgtcattgac aaaactacct catgtaatca  180

tcgatacgtc aagcacatta agagtaaacc catgtatctc aattacacaa gattagacta  240

gaaatttttt cttagaaacc attcagctac tgctattaga ggagccaaga gactaactta  300

aaaatataaa aaggaaccaa gaaaaagaca accaatgacc attgttcata ccttttttaac  360

tgtaaacaca aaacggaata aaacatgtgt acgagcttta ataatcatat tattatagca  420

tcattcacag tgaaagagat accaaaatac gcatttccac cttccttctg aattcaatcg  480

tccatttaat tcngtgaaac tgacacccttt agccaccctc cagattgagt g          531


<210>      41075
<211>      516
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005f03d1

<400>      41075

catattatat tcccaagtcg tattcaaatc cttatcaata aaaccatgaa gccaaattaa   60

aatatttcta gtacacaccc aaaaattctt caaaagaaac ttccgggaat ctagcacgac  120

caaaaatcat aaatttaatg aaattctaac ccatcgataa ttaaatttga tgggaattat  180

gatgtagcag tagcacacgt ctcaccatta aaatcaaaat accaggtcaa agtttcaagt  240

aacttaggac agaacgtaaa aaaaaactag ataaaatgag tagatagctc ggtacattaa  300

gtcacttagc acttgacctc ctttaaggca tatgcaaagt acaggaatgt tggatcagca  360
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gcgccgtcct tgtagtaggc aaagaccaag caagcatcat cacccatgct ctcaccaaca 420

aaaaattgga aatctttaat cttagagagc aggtatttag ttgctccctc gatgtgcttc 480

ttaaacaact cctgttgctc tgcatcgagc ttggga 516

<210>   41076
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005f05d1

<400>   41076

agaagtacaa caccagattg ttcttaatag ctgaattttt attacagata aaaaatatct 60

aatgtttaat tagaaatttt gtactctact tacaatgaag aattaactga gtgatctttc 120

ccaaaaaaaa aaaaaggacc caaggacaaa tagggttaat aaaatgcctc ggttaaccca 180

agaataaaaa aattaaataa aaaattagag agatagaatt aaaagtctct cttggtgtca 240

cctcaatttt catcataact aacacatttt ttgtcattat ggggacaagt gtatacatgt 300

gtgagcctag ccatatataa ttcccaacca tgattttgct gttaggctat gtttgtttcc 360

aacttgtcac caattttcac tctttccaat gaataaaacg cagaaataac gaactttggt 420

cttttgcgtt ggtgcctcgg gatgatgcaa actcccttag aaacatccac acaaacaggc 480

acttaacttg tggcaggaat tgaggtgcct gggctgggca agcccatgta agcaagc 537

<210>   41077
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005f07d1

<400>   41077

aaaaaaaaat gcatattgca tttattagat cagaacaaaa ataccaactt gatttctcta 60

caaacaggaa aactttaaat atatacggac acacgctgaa atcatcagaa gaacacgatg 120

caaaaatccc aatacaagaa caagagtgac ttacataaga aaactaatga ataaacaaat 180

tgccttgaca tgcagagtga gccatcatgc atatgctgac ctcaattcat tcaatttaac 240

gcgaatataa ccaacacatg cattttgtgc tttcacatca tctactcatg ctgagcacta 300

gctgcttctg ctttgtcagg attagctagt tctgctttct catggtggaa ttgcaccaca 360

atgcatgtaa tgttatctgc actcccacga gaaaatgctg cttctgttaa ctttcgtgca 420

gctgcctcag gctcctctta cgtgcgggca agagaaacag catcatcatt ctgtactaca 480

tcccagagtc catcacttgc aagataatca gttcaattgg tcatctatct cc 532

<210>   41078
<211>   294
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005f08d1

<400>   41078

ggtcgttgaa ttttgtaatg ctggtatccg aaaacggggt cagagcaggt tgatggcaaa   60

caagaattac aaaacgaaag gccggaagga gatgccttta ttcaaataga aaaacaagaa 120

cggctgaacc ctagaggtta ttacggacct tacaatccct aaagctcctg atacgatgcg 180

aataagtaat tacatggtca aaaggggccc ggaatataca gccaataacc ggatccatct 240

gcaacccgcg gccataaaag ccggctccta taaccacacc cttctcaagt cccc 294

<210>   41079
<211>   546
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910005f12d1

<400>   41079

aatacgaaaa catagcatta ctcatttaat taatgataaa tagtttagta caccgatgca   60

cctcatctag cttgttgcgt ggtagaattt gccttagcat gtacgaggca tcatggtcaa 120

tctcaactct gaggatccgg ttaattttaa aacataagta cattcagcgt gaagtcatta 180

agacgaggca agagcagaca aaactaagta ataactact taatgttaca taagcattac 240

accctaacat ccagtgactc gaacaagact tcaaataaat tcaagctaaa tcctgtacac 300

gattgatcaa cttttgcaga gaacgcccta tcaagtgatc gacaaaatat cagctaccta 360

atgcatttta gtaaacaaaa ggctgcaatt tacatgcagc gattgattca agaatccatg 420

tgtgaccaat gacttgtaaa gtgttcgcag ctaaatcctc tgcgtcgttt agcctttgcc 480

16324

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caaagaattg aaacttcctn ccccaacttg catccttgtg gggatcaggg ttgtaacact    540

agcaac                                                              546


<210>      41080
<211>      427
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005g01a1

<400>      41080

ggctcttaac aactttcatt atcaaaccca acacttacct tttatatgaa gtaaaaaagg     60

aaatcaacaa cttctcactt aatttggtca ttacataatt gctagtttag atttgaaaca    120

tcaacttgct atagctgaaa cacataaatt tqggggggtct tagtgtatgg aaacagacaa    180

aacatacaaa aaacacaaaa atgaagtcta tgtgttcaca aatctgcagt tcttcctaac    240

ttcccctgtg aagaagcttt ctgagtttgt gatatttccc attttcacca ttgactccga    300

gaattgtcgg aaaaaagcaa gagggtctgc tgcatacttc ttcacaagct gtctagtttc    360

aattccaaac acacttgagt acatttcttg gtctgagttg agaagtccct ccccatttag    420

tagtaat                                                             427


<210>      41081
<211>      498
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005g01d1

<400>      41081

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acacaactat atgcagatat tcacaaaata taagagaatc atatttaaaa ataaaaaaaa    180

acttacctct gggacatatt ccaaggcata gtcatattac atcaatgtca tcaacattaa    240

gccaatcatt ggaatccttg gtcatagaat tacgagcact tgaatgctca gagccaacat    300

gtttgccttc tacacagttt aaatccttat cagagttagg tgaacttcta cctaactgaa    360

cccaatctcg agagtctttt gttgaagaat cagagcctga tctagttttt ttataacttt    420
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catgtacatc accatcatcc tcctcaagat cactgaatga tacatcctcg tcattaccag    480

tgtgaacagg agttccac                                                   498


<210>      41082
<211>      550
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005g02a1

<400>      41082

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cataaaccat tcggataggc taccccaaca aaattattat tctatcccat gcgtcacttg    180

tactcgagaa tcatgttatt ctctggggcc aatccaacac aagccctcat tatgttttcc    240

agcattgcac gctgctttga caatgcattc accactggtg tacccggtgg aacctgcaag    300

agttatgttg tgagtaacct tgccaacttt tttgataaaa aaatgataag gggaaaaaag    360

ggaaattcac tgaacaatga tttaacttca caattgtatc tcaatactaa aactcatatt    420

tctttcaact taattcctat ataaaaataa ggatatgcac tcaacattga ataagattag    480

attaaactca ccagaggagc cttggtcaga tagctgagaa tggtagcaac tgggtggaat    540

gagtggaatt                                                           550


<210>      41083
<211>      494
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005g02d1

<400>      41083

aaaagggagg gacaaccatg aaagaaaatt acggggcagg ggaatgccca taagttacag     60

tattaatatt tgtgcagcaa caagaatttt gtaaaggtaa aggcccatcc gctggtttct    120

tacagttcta tcctttcagc aacaaatgg agttgtggaa cacaagaatg tatcaatttt    180

taacacgcca aggagcatgt gctaaaaaaa gcaagaatta atatacctaa agagttttaa    240

aggttgaagc ctccatttat actgcatgtg tacttttcca acttataccc tagctacttg    300
```

16326

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atgtgttcat gaaatcctta agaagtttgg attgacaaga agctcagtgt ttctcatttg    360

tgagtcttgg aagcatagca tatacatgct catattctta aagagacaaa atcatagtta    420

gataacaaaa agtgaaaatg tatgtctaca ttggctatta cacaaattct aagagctata    480

ggtagttaat ctta                                                       494
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<210>   41084
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005g03a1

<400>   41084

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gctgggttac acatttattt atgggaacaa ttcaaagttc ttcggaggac tttgaattat     60

ttggaacatt acaacaaata aaaagtcacc ttacccttcc cttcccgaac acccaaacaa    120

ctcccgaatt attcgcaaac agatttatta acaacaatga atctaactac cctttgcaaa    180

tccccccgca ctaaaattgc aacttgtgtt gttgtttacc tccaaaacat gcactgtttg    240

cgactttaca tgatcaacca aagccttaac ttaaagcaca gaacaatcgg tacgaatttt    300

cccatttctt gcagtcttaa ctccaacgcg acccaatttg gtcatagcag ccacaaagtt    360

ggagttgaaa acgttggtac tggaagcaaa ggaattaacg gtgttcctag accttgggtc    420

cgtgaaaagg atttggt                                                    437
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<210>   41085
<211>   356
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005g04d1

<400>   41085

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atcacttcta cccaatgtgt gggccaagtc acaggctcac aactgggggt aaggaatggg     60

ggtcaaattg ggcaacctta gaggaatacc aatagaaaac cgtaaacagg ggccttaaga    120

tggcccactt aaacaaatcg aatacggcca agttttaaca cacacgta gcggggcccc    180

ctaccgcgtt taggacgacc tccgtaaatt caaaggataa aaacattatt cacccataat    240

attgaaacct aggacaccca cccacaacat tgggcaccct ggaaaaattt gaaacatcca    300
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cttttttccccc  aactttccccc  ccagaaattc  tttacagccc  gaaggggctt  tcctgt        356


<210>        41086
<211>        490
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910005g05d1

<400>        41086

actgtactgc  accgcaagcc  cggggcaaga  ttgaactggg  cagaatctat  agactaaagc    60

cgctttagtg  gccatgattg  tcgaatgata  ccaagtcact  tcctatattc  cataagctgc   120

actgtccgaa  atggaaagaa  cagcctacct  agaacttatt  taagccatat  gcaacaagct   180

cgttcaattc  agtaaagcct  catgcggact  aaaatttaca  gaaggcactt  tactaatcac   240

gtacatgagt  agtaggcact  tgatctagtc  aattctgaca  ctctgccaga  caaaatgcga   300

gactatatca  gccagatgcc  tgcacagcac  tcatactttt  ctttagattt  cccctcatct   360

gcactttgag  aaccctcaat  cttgcgtgag  acctcatgtg  cagtttactt  caccttatca   420

actgagccat  ttgcagacac  aggatatgag  tcatcgaggg  tcaaggggcc  agtctgccat   480

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<210>        41087
<211>        513
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910005g07d1

<400>        41087

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ctgatggtta  acctactgct  aattccagtc  atagcatgtt  tcaaattttt  caaaagaaaa   120

gactatacct  attcctgatc  agtgatcact  accaacccac  taaaatcata  gcaataacaa   180

ctagaaatac  tacaactgtg  caaattgcag  tgaaagaaac  atgagaaact  ttagaaggtt   240

gaattccatg  ctcataactg  acccaaaaag  ggggtctca  gaacaacctc  ccaaaaatca   300

tccagtattt  cagttggaaa  cagcattttg  tttttgtcca  cttgaccggc  cgactctccc   360

tctcccttgg  tgataacctt  ctccatgacc  acgaccccta  ccagaaaacc  cgccacggct   420
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16328

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tacataatca tttcgaccgt atccccgacc cccaacataa ttcccacgac ccctgaaaga    480

gtcatttcgt aacccaaccc taccagatgg gat                                 513


<210>      41088
<211>      481
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005g08d1

<400>      41088

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ataaaaacac aaattaggat gtaagcaatc acaagtttgt aacaaagtac aaaatcaaaa    120

ctaagtagtg aggatagggg ggaggtagtc agctttgcca ccaagaatgc gagccttggt    180

gtcggggaag aattcaaatc ctggcagctc agtgacatct ccttcactgg caatcccgat    240

ggggtagcgg agaaggtgac caggaaggtc atgctcaagt gactcactag aatacagatc    300

ccaatatttg tcagcaactt ggttcacctt attaatgcat tcttcacttt ctggctggag    360

gaaggagtca tgaagcatgc caaggtgctc ataccacaat gacatgcgga aaccatggat    420

ctggccacgt gccggctgcc tggtagccaa atgatagggc tgataagcac ccatggcaat    480

c                                                                    481


<210>      41089
<211>      429
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005h02d1

<400>      41089

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acaattcagt atgaagataa ttgaatactg taacctacat aaaactctcc catgcactca    120

taatttttct aacttgagtg atcacataag aactaaaaca accataacaa tctaattccc    180

ccaaacattc ttttttggct acaaaggata gaaatcccaa aattggaaga tgtggacaaa    240

attgaaaaca aaaggcagga gcaaatactt ccaaatctaa ccccaaaaat agacaaagaa    300

aagcgaaaca ttaaggttgt cgattttttc aacattttgg aagatcagaa ggtggaggtg    360
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16329

gcagcttctg attgcgccgt ttaccatctt ggactatcca tgccattttc aagccccaac   420

tagtatgca   429

<210>   41090
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005h04d1

<400>   41090

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ataattgagt acaagaaaag caaaatataa gacaggcttc aaagttattc cttcctgaga   120

ggttaggtag acatgtgatt tcatacatca ctgggataat aaagcctaac tatatagatc   180

attttcgtca gccccaccag cagaagctgc aaaggggtca gatccagtag tagtcctatc   240

tccagactct ggaaacctaa attcacttcc aaaccctctt gattgctgta aggtctgagc   300

aaatgcctga tacttgcgaa tatcagcatt acttacactt ctccgtgcaa actttattga   360

ctcctcaaaa tgagcagcct tgatctccgc aactttgtcg tcgacggtat cttaatccat   420

ggcctcaggg ttttccctac tttt   444

<210>   41091
<211>   548
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910005h05d1

<400>   41091

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gactgtaaca caatcaaggc attcccttga tggcgtagga gttgacgagc gccaaggcat   120

tgctggtgaa acttttgac gttgctgacg cgatcgcata cacccgtttt catgggacag   180

tccgctacgt cctggaatcc atccgtacag gtctcttcgt cggtgagtgc ggcactcaac   240

cacgtctgca cgttgctcat ctggaacagg aacgaactcg cgccggcgcc ggcggatcca   300

atctgccgca tctgcttcag cgagccgcgg atttcgtcca cggcgtcgcc cagattcgag   360

16330

aagcagtcgt gcagagcaag agcggcgcgc gtgcttccgc cgtagtcggc gtcgcgcgtg   420

aggttggaga cgtangacgc cgcacggtga accttcgaga gacttacggc aatggccaca   480

cgcgccagat ggccgggggtt ctgctgcacc gcattggcgt aacgagagag ggatgtgaaa   540

cacacttt   548

<210>   41092
<211>   408
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005h07d1

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actaaatgct aaaaaaaaga tattttaaaa gcactaccat ctggcacact taatttaaag   120

gtttaactga caaccttgct ttttatttac ctatttaaga aaccaataac ttttattcgt   180

ggaagaatta acatagcata atttggttgt gcgcacataa ctttttaccc tatcaattaa   240

ttgcaactta gtcggggtgc caattctttc acaaattctg cactattttt atcaaaattt   300

tcttcctgat aaacataact tttgggcaga ttttccatt tgatggcatt tgcctttaaa   360

taatttcctt tttcaggctc caatttact cttatgcaat gggtgatt   408

<210>   41093
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910005h08d1

<400>   41093

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ccacgtaaag tacaacgatt cacagagcac gataagaaaa acaacacata ctgtaactgt   120

attactgtta tcttctaatt ataattcttt ctttatgacc atatttagtg cctctgcacc   180

aacttcctaa taatccttct gcagggcatc aatgatcttt aatggcctaa tacaactccc   240

catgtttcat accctgacca acataccaat gaacgaacgc cctcttggca tacatgaggt   300

caaatttgtg gtcgatgcta gagaagacct caacaacact ggtgtaattg gtgattatgc   360

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acactgttcc tatgaacatt ggcaagatca ccacctgcaa catcagtagg aggctggtaa    420

ttgattccac acttgaaccc ggtggtgcac cagttaacaa attgaatagt g            471


<210>      41094
<211>      497
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910005h09d1

<400>      41094

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gggtacatgg tcatcattgt tgagattgac ctttattaca gaaacccagg gaactcattc    180

cattcacatg ggggcttgta aaggcttggg aacccacata agatgtttta tagggaagaa    240

gtggcacact gcatccttcc caggcttgat tccaagctgc ctaaatataa tatgatttgg    300

gctccaatca gatgtgtcca aatggcaaat gccaagagct tcaattttgt catctccatt    360

ctcgctacct agtgagacct tgaacacctt gctccctgtt gctatgaagt ggcaatagta    420

aatggcatag ggatatggta ggggatgaca agctacccat ttagcagcgt tgatatcttc    480

agacacttcc aaaatgg                                                   497


<210>      41095
<211>      205
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910006a01d1

<400>      41095

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ccatgccttg catctacacc tctacccttc cgaagagtta tgacaattat tggactcccc    180

attgatgaga atgtaggagg aataa                                         205


<210>      41096
<211>      492
<212>      DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmro02910006a03d1

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ttgcaatcag aaatttaatc aaaatccaat tgatcgccta tggatgagat caaaggaaag   120

catgtttatt caggtactaa acagagttca atacattggc cacaaagcac agaaccaaaa   180

ctcaaaaaca gcaatttccg aagcagcttg aaaggcagca ttatcagttc ctaactacga   240

atttcaattc ttcttcacag tagcagcgtt tatgatgtcc acaaattccg ccttgaggga   300

tgcaccacca accaaaaatc catcaacatc gggctgtgct gccaattctt tgcagtttcc   360

tccatttaca gagcctccat agataattct tacagatgca gcaacttcag cactcacatt   420

gtcatgaacc catttcctta aatcagcatg aacctcttga gcctgagcag gagttgcaac   480

ctttcctgtt cc   492

<210>   41097
<211>   323
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006a04d1

<400>   41097

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aatacataca aatgccaaca aaggtttcta ttattacatt gggggaagaa taaatcaggg   120

aaagagagta atattcaata aaaactttaa ctttaacaac agaatggcaa aaaattacaa   180

aggaggctga acgcatgttg ctggcctcaa cacttctgaa gcacatttgt acacagggga   240

gcttctctgt ttattcaaat caacccatca gatcctctca aaaaaccccg attttttaat   300

tgaccaataa ccctgtcaat tca   323

<210>   41098
<211>   323
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006a05d1

<400>   41098

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aggaagatct ttgataaaca aacaagcata gcataaatcc tcatggcaga gctttgattc   120

atattttatg agctcaacaa aatcattcaa atgcccattg attttcccga cgaactgact   180

cttttttcctc aggggtgaag acattcttaa tgttaaaggt cttgcgaatt tcctcgggag   240

tcttgccctt gatcatgtgg gctactggtt gggatgtaaa gtccagcaag ctcttgatgt   300

tcaagtggtt cgcagcctgg ata   323

<210>   41099
<211>   312
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006a06d1

<400>   41099

caatacaata aatacttctt tttaaacaca ttcaatcaat cgccttcttc cagctaaaag   60

gctaaaatta tgcttttctt tctcctttat ctaccccta agactttgct aaaacttttc   120

caacttataa agggcttaag agaaaggctc ctatgtcacc caataatggg cgcaatttta   180

ttcgagactg cccccatctc aagcggggtt aaataaacaa actctgcctg gggaatggga   240

ttaatggtgc aaagggggtc ccctgctcta aaacaagcag cttcgtaagc tttttttttat   300

ttaccttccc ca   312

<210>   41100
<211>   332
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006a07d1

<400>   41100

aaccaaattg caaataggaa tttgccggga agaaaagct ttttaaaagt tgagcctttt   60

tgatagcaac aacagcccac cccagctttc attacaaatc acaggtttca ccagaccagg   120

ccgcacccat tccaaaccaa catacttgaa tgattagtgt aaaggaaccc agcaatagag   180

ccttattccg ttagcattgt tgcttgtttg gggacagctt caaatcacaa tcccccttcaa   240

atcacaaccc aattctttta ttggagttag cattgcatag nacattctct ctcccctaag 300

aggctacaac attggattct tcagcatgaa aa 332

<210> 41101
<211> 321
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910006a08d1

<400> 41101

aatccattgc gaaacagtat tcataaaggt ttaatcaaag cccaaacagt cataacacta 60

attgaacaaa aacattaacc aaaacttta ataactaaa attaaaatag aaccacagag 120

aattgacttc caacgaattt aagcatcggc cttctgggag acataggtca agccacactt 180

gccgcaatag tggcggtcga agcgataggc catgaaaggc ccggcaccac actcggcgta 240

ggggcactcc ttgcggagcc tctgcacttt tccagaatcg tggaccttgt agaactggag 300

aaagccgagc ttgaccttct t 321

<210> 41102
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006a09d1

<400> 41102

gggatggcac ttcaataatt ttgtaggcaa taagtatgga ttaacctttc agtcatcaga 60

attcaaaagt gagtccatca gggaaatttg ttcaaactat acacgattga gactacctga 120

cagagactta ggtcaaacaa aacataaatg aacttcagta ataggaactc agctgactca 180

gagatacaag tgaaggcgcg cagaaatgaa ctatttacac tgagcacact ttggggatta 240

acgaaatagc gcccttaaaa agggatcatt ctcctcatca agcaaattgg cgncgncatc 300

atcatccaat tcatctaaaa ttgactgggt aatgctttc cgagattggc tcctatgctt 360

cttaggttcc aagcgaggat ctgcttgctg aacacccatg tctnccattt tcaaccttac 420

atccccct 427

16335

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<210>      41103
<211>      292
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910006a10d1

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aaccacgttt ttcacttatc ctttggtgga tgggcttcta aaggaaagca gcggtaaagg      120

ccttttttaa ggggggaaga gggggaccgg aggagctgga aacttggggc ctttgccttg      180

ggacaggggt aacaaggaat tcttcggtac atggtaactt tcaattaaga ctgggggtgg      240

ctaattctca tggaaattca ttttttttcat cacgatataa aagggctttc gg      292


<210>      41104
<211>      355
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910006a11d1

<400>      41104

ccaaagaaaa aggcataatt gaggccaatt ccaaaacaat tattccggaa taatagattc      60

aaaattggca aaacaagaa aagaaagtag tggggggaag taggtatggg gaatgatgta      120

atttaaccaa aaatctctga agcaaaagga tcacgacact tttataaagg aataaataag      180

aaaacataaa ataaaataaa aagactctaa tgcagttgca aaccaattcc ctctagatgc      240

cgctatctat aagaaaaagc cggtgtcact caattcccaa caaaatgaat cactttactg      300

aactttcact gattgacgag tcacttttgc tcctcctcca ttctgataac tcctt      355


<210>      41105
<211>      459
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910006a12d1

<400>      41105

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actgaaaaaa ttacgtaaga cggaaagatg gccattacat catatcgttt ccatggatca   120

aaatcctgaa gattcatagg tccacaactc aaatctttag ataagccagt tctagctagc   180

ccctcctaat caaggatagc ctaaatcact aacccatcaa tgacacaacg aagtattgca   240

tttagaaaac atgctttcca ccatttttct ttaaattttt taataacctt cctagtccta   300

cgtagttgca gttgcactca cattgcaagt caataacctg ccacttgtac ttcctagcac   360

tcagncatgt aagttgccga cgcactcaga gcacccacaa aaacaacctc atgcactgcc   420

agaatcagca tatcttacag gctcatgcta tgagacaaa   459

<210>   41106
<211>   459
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006b01d1

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tcttgcacct ccaataacat agcaaaataa aattacataa attaaatgtt attgtaaaag   120

atctaggaaa aaatgttacg ttcctgcatg ggaaaacagt tttagaatac cagtttatac   180

tcttaacact tcagagacaa gtatggttct tccatgcaag tccaagctcc ttttgaagta   240

ttaatcctcc caagagctga ggttgtactc atgcaaagat tatagtccta ttgccttgtc   300

cataagactc tatagggcca taggcatgat aatggaggca ggaacctgaa tagtgaatat   360

acatcgtgtt cacaacttat caaataggca ataggcaaat ggataatgct gtatgagctc   420

atggaaggtc ttttaattta cttaggcctt caagaagtg   459

<210>   41107
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006b02d1

<400>   41107

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atatatatgt acaaattcaa taccatcact ggggagataa cagagttaat cggagaagaa   120

16337

ttcttgcact tcagctaatt ggtccgtgtt cattagaaga gggagtgaat caattttagt   180

tccattggca ttgagcttat tatctactac atcataccac tcctgctgct cttcaaactc   240

ggtaatattg ttgtgatttt gggggtagga aatttcccca ccaccagagt tttgacatat   300

gcaagctgat gggttctcgg taaactcacc actaccgggt ctcaactcat tcggttctcc   360

cataaagcct acctggaaag ttcgtactcg agaggcaaat tcctcccacg tcctattatt   420

tctgttcatg aataacatgg tcaacttctt tg   452

<210>   41108
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006b03d1

<400>   41108

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atgaaggaaa aatccaaatt acaacttatg ccaataatca catcagatta taaacccgct   120

tccgagtcta tgacttgggt aggtgtttag ccttgccaca aatcagtgca ttgggcggaa   180

gaagagtctc cgcgtatacg ctctgctcat tgttccacac cctcagatac aatgcttggc   240

ctaaatacct ttggggccag attgcagatc tcaagttcca cataccctta ttgtccaaag   300

ataccaatat ggcactccaa taatttggat acacctgaac agtgtgtcta gacatcccat   360

caaccaagtt gtaagtcttt ctcgaatcat ggatccacag gccattgcca tatgcaacaa   420

catagaagct agatccatac atgtgccatg actgcatgtc attctcattg gattggaaga   480

tta   483

<210>   41109
<211>   352
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006b04a1

<400>   41109

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ttgtgttgtc aacaagattc tatgggagcg caaccttgac taccaatttg catatctgac   120

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attaatgggc tgtcatctat cctgataagc taaattagaa gggttaatgc atgccatgtc    180
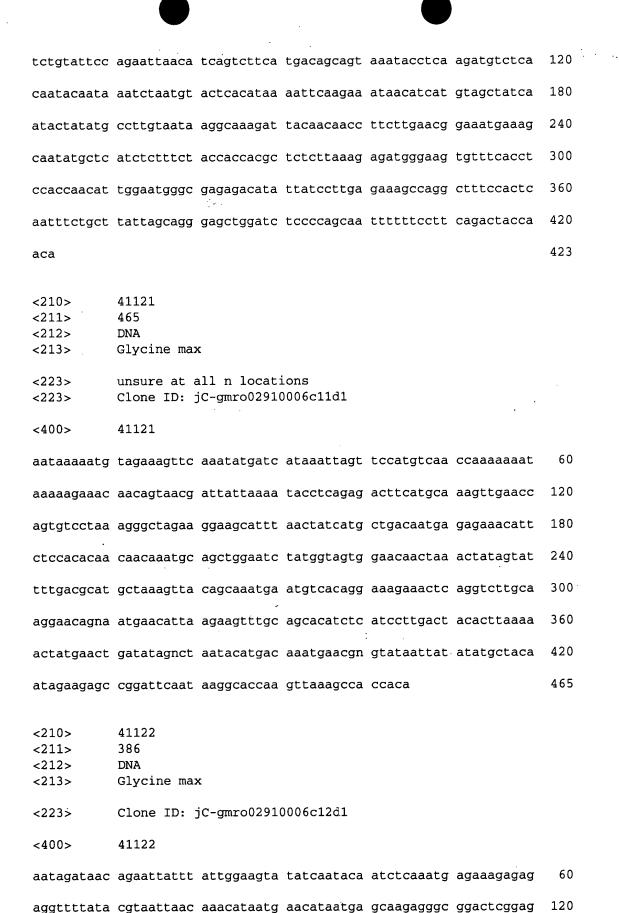
gaactacata tcgaatggct caattaggca cccaggaaac ataatgcttg caatgcctga    240

gagaccggcc agggtccctg aggatcccat tgtggcttga cctgtacact ttcttagttt    300

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<210>   41110
<211>   321
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006b05d1

<400>   41110

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ttatatgaag tcaaattccc tgaggagtaa atacctaatg gcttaggaaa catagagatt    120

caattaatac attcggaatt tttcctttgt tctctcaaaa acttcttcag caatgttagc    180

ttctttgcca tcagcccttt taatctccaa ttgagccttc tgatagaatc cagtacctcg    240

caatggatct gaaatgaagn catcgaaccc aatagcaatt gctgcctctg cctttgctcc    300

ataaaccaac ctcttaactc g                                              321
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<210>   41111
<211>   248
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006b08d1

<400>   41111

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aaaaccaaag ggaaaaattt taaaataaaa aagccccttt aaaattcggg gggggggacc     60

ccaaatccta aaggggggggg aaaaagcaat ttcaaaaaat gggggggaaa nngggggccct    120

cagccccaaa aacaccccccc ccaccttgag gaagagggggg actcccgggt tttagcttgg    180

acagggactc tgacttcaaa tataaaaggc aagagggatg ctggcaaaaa aaaatgccaa    240

ccttcggc                                                            248
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<210> 41112
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006b09d1

<400> 41112

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gataaagtga aacggcatta caaaaagctg caaacctttc gcataatttc tttcagattt    120

aatggaaaca aaatcttatg agagaatatg ggaattggag tcctttccag agggttcgct    180

ttgtaaggac atgagcatca tcatccaaca agatacaaac aatccaatta ggttggatat    240

gtccctcccg tattatttac ctgagtttgn tgaagactca tatatactat tagaatggag    300

ctcaaagagc ggctatgcac tcaatttcaa tcttggcatc cattggcaag ccagctactt    360

gata                                                                 364
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<210> 41113
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910006b10d1

<400> 41113

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tgaactgcaa tgcccaggtc aacggctcct ttgccaccat tcgcatgatg ggtacaaatt    120

acagcatcat aagctccagc agctaatgca gcacttcgaa ctgcatttag ctcggcttca    180

gagtcagttg aaaacttgtt gatggcaact acaacattta caccataaga ttttgtattt    240

gatatatgtc gagccatgtt cacacaacca gcctcaacca gggcaacatt ttcagtcaaa    300

tatgcatggn caagaagtct tccagcaaca actgcaggcc ctccaccatg catttttagt    360

gctctgatag ttgccacaat aatcgcacat agaggtgnca aaccactata acga          414
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<210> 41114
<211> 462
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmro02910006b11d1

<400>   41114

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caaaagcccc ggaacagggg ggggcccccg aggggggacgc cccccccccac ggcccggggg   120

aaaaaaaaac acccccaaca ccggacccctt acggggggaaa cccctaataa aaaatttccc   180

cccttaaaac cattttttaa aggggggccct ggcccgaccc cccaaaaaat tttcccccagg   240

ggggaaagaa ccccacgggc ccaagagaac cttccctttt tcattccccc cccaacattc   300

caaggaacaa aagccccctg gggttacctg ggggcaaatt tgggggcgag gggagagaaa   360

accccccccc cccggggggga ggggggggatc atgcccccccg ccccctgaac cctgggaaga   420

caccgccagg aaccaccggg ggggggtggg gattggcccc cc   462

<210>   41115
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006b12d1

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aacgcacaac cattgtatag aggggaaaaa acaaaacgct tgacttgaag cggacaattt   120

ttcccattta cattggatca ctatcgncta aataaatgac tccatgaagc acatttgcag   180

cagcacaaaa tgcacagccg ctgccttta ttaatccata gatgccatca tacacagcac   240

tgcattacta accatgacgt tcaaacttca gaggctgacc aacttaagag agttagcctt   300

ctcttgcaga gaatccagga ggctgncaaa gctcttctta aacgagtcca ctccttcaag   360

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<210>   41116
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006c02d1

16341

<400>   41116

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aacattggtt tcaacaataa aagacacaac aatacaactg tgtcttcaaa tctgaagtat   180

ccccaatttt cgcatgcaca tacagggaac agaagcagaa gtgatgagta atcattaata   240

aaatttcaaa ccctaagaat ctgaagcttg gtggagaaag caatagcgac ccaatcaggc   300

tgcgaagacg accactgaag ctgctcaatc tccgcacccg cagtgtacgc aagaatcggg   360

tcaagcccgc ccttcacggg ttgacccatg gaagaaaggt cccaaatcag cgcctgcgaa   420

tccccggcgg tgcatatatg gcacgagcta tgc   453

<210>   41117
<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006c03d1

<400>   41117

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accaaaggac atgaaatcag acatttaaaa ataaatagta aatcaaaagc agaaataaac   120

taaatttagt ctacttcctc aatctttggc cccgcaccgc ttccagcagc aggaacatca   180

tcgtccattg caccacccac gtctggacca gcaccaccct ggtacatctt ggcaatgata   240

gggttgcaga tgctttccaa ctccttcatt ttgtcctcaa attcatctgc ctctccaagc   300

tggttgctgt ctagccactg gatggcctgc tcaatggcat cctcaatctt tttcttgtca   360

gctgggtcaa gttttcctcc aatcttctcg tctttaatgg tattcctcat gttgtatgag   420

tagttctcca atgcattctt ggcctctacc ttcttcttgt gctcttcatc ttctgattt   479

<210>   41118
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006c05d1

<400>   41118

16342

agaaaaagct agaagcaatg atgaaatctt gtacatccac aaaagcattg catgacatcc   60

attcgctcag catatttatt cattccaggt gaattagcaa attgcgagta aaatatattt   120

tcccttccga aggttgcaaa attgatctca aatctatata tattctatat tacattcatg   180

ctcggagaac tcctagttaa tcacttccaa gactgaggtt cttctcaatg agaatcatat   240

tcaagttgta ggctatttca gccaagccca tgtccctaaa agcaaccata atcttttac   300

aggcaagcat atcaaaatcc gagggcgntg attgcttcca ttgatcaata acttcaccca   360

cttctttggt atgaccaagc atcagatagg aagaaatgat gcagatgtaa ttcctgctaa   420

tc   422

<210>   41119
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006c09d1

<400>   41119

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cggaagttta tttcctttaa tgagaccatc caaccactct gcatttggac tttttcaatg   120

tatacttctt cagtccttcc tgatttcttc tgcctatgaa atgtaataat acagggaatt   180

ccagataaaa aaatcttaaa taagagttca ttatacattt ttatgaattc ctaaaactgg   240

acacctccct cattcctcaa tgaggtagtt taatgctttt aaatcagcat tcgggatatc   300

atgttcaatt atgcaaatat tatttgctta ggatatatct cagatgccat atatcattna   360

cactattaaa ctgtgctaaa c   381

<210>   41120
<211>   423
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006c10d1

<400>   41120

aaaggaacca ctactagtgc ttcccattcc cctcaagaga gaagcgccaa ggtgccaaaa   60

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tctgtattcc agaattaaca tcagtcttca tgacagcagt aaatacctca agatgtctca   120

caatacaata aatctaatgt actcacataa aattcaagaa ataacatcat gtagctatca   180

atactatatg ccttgtaata aggcaaagat tacaacaacc ttcttgaacg gaaatgaaag   240

caatatgctc atctctttct accaccacgc tctcttaaag agatgggaag tgtttcacct   300

ccaccaacat tggaatgggc gagagacata ttatccttga gaaagccagg ctttccactc   360

aatttctgct tattagcagg gagctggatc tccccagcaa ttttttcctt cagactacca   420

aca                                                                 423
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<210>   41121
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006c11d1

<400>   41121

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aataaaaatg tagaaagttc aaatatgatc ataaattagt tccatgtcaa ccaaaaaaat    60

aaaaagaaac aacagtaacg attattaaaa tacctcagag acttcatgca aagttgaacc   120

agtgtcctaa agggctagaa ggaagcattt aactatcatg ctgacaatga gagaaacatt   180

ctccacacaa caacaaatgc agctggaatc tatggtagtg aacaactaa actatagtat   240

tttgacgcat gctaaagtta cagcaaatga atgtcacagg aaagaaactc aggtcttgca   300

aggaacagna atgaacatta agaagtttgc agcacatctc atccttgact acacttaaaa   360

actatgaact gatatagnct aatacatgac aaatgaacgn gtataattat atatgctaca   420

atagaagagc cggattcaat aaggcaccaa gttaaagcca ccaca                   465
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<210>   41122
<211>   386
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006c12d1

<400>   41122

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aatagataac agaattattt attggaagta tatcaataca atctcaaatg agaaagagag    60

aggttttata cgtaattaac aaacataatg aacataatga gcaagagggc ggactcggag   120
```

16344

ctaaacaaat cgacaaaact taaattccta atatagttct tatctgatta ggaggatgcc   180

ttgccaacga cctgggggtcc ggataaccat tctagggatc cataatagcc ttataaataa   240

ggtcataagc ttcggccaga gacctggcca cgccaatagt agcttcagaa cgcaaccttg   300

gaacctgcat ctgctcaaat tccggcaggg aactttcact tcccaagata aggccaaaca   360

gagctttcaa acactccgaa agaaca   386

<210>   41123
<211>   428
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006d01d1

<400>   41123

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gaaacggaag gagtaaatct caataatggt tcacgaatac gtcgaattcc acgatagcgt   120

gtactttggt gaaatcaaca gagtaaaatc tggcttgagc gtagccacgt gcaaaacgaa   180

aagccccagt gccgccaaca atagccattt ccctaacagg ttcactcatg atcatgttcc   240

ttcgcaacac gctgatggtg ctgacgacga aatctccatc ggtgaatgcc atcgtcatca   300

ccatcattag tcccatctct atttgcgata ttgaagtgta aattacttgg gccttgccca   360

catgtttcga gtcctgttcg ggccccacgg ttaaagggcc gtccatcgcc acaacggttc   420

cgaacgga   428

<210>   41124
<211>   342
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006d02d1

<400>   41124

gataatcaag aacattttaa gttaaaaatc atccaatatt caatcgagag acatgcattg   60

gttccaatta aagggcagag agacacattg aaacatgcgg aaataggtcc cccgatttgt   120

aacagccgcg aagaatgcta ccaagaaaat aaaaccatac agggcaaagt ggttctcaaa   180

gattactttt tatcctcctc gttagatggc ttgtcgtcat tcttctgttg aggctcagac   240

16345

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tgattttgca tggaagccag caaatccttg acagaagggt catttgggtc aaccccagga   300

agcgatgcag ggtttgaaaa tccaagggat ggatcggcca aa                       342


<210>      41125
<211>      361
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910006d03d1

<400>      41125

ctgcagtgga acatcagcca tttctgaata attatatatg taaaaatgat tcatggatac    60

tggaatacac ctagagattg aaaacgtgaa gaatgacaag ttacttaaat aactccggta   120

gaatcaataa tatgacgtga aaaaaaaaac tgaaaaaaat ggcgcctcca tatttaactc   180

ctcaacgttt atacaggccc caaagggaaa caattgaacg gacacaaaca ccatgacata   240

cagaaaataa actatttccc aaattaggtt taaggctctg ggtttacttg cactgttata   300

catgctgaca agggcattct gacangattt gaacaactgt ggcctctttt tcctggatgc   360

t                                                                    361


<210>      41126
<211>      358
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910006d05d1

<400>      41126

caaaacttgg gggtggaacc cttttgccgg aaaagttttc cctaaaatta aatcaagggc    60

ccctcatctt agaaaccttt gagtaaaggt tccccccgat tttggaaaga cccccccta    120

caacaaaaaa aaggttcttt tttcgaataa aagggccccc aatttgtgta ggggcccccca   180

gccctgggag aaaatcccct tggaggggcc ccttttggcc ccggaaaaaa aaaaaaaaaa   240

ccctcctccc cctaaaaatg ccataaataa ggggtgggcc ccggggggtc ccttggcccc   300

ccaaacccag ggggaaaacc ccctgtgttt aaacaaaagc ccccccttgga ctttttttt   358


<210>      41127
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<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006d07d1

<400>   41127

catataaaag attagggatg gatgttaaaa gataaagaat gattacaatc aaacgcttat   60

agatttatgg accccaaaaa aaccatcgca attaattaga aaaaatggag acaaatgtga   120

gaagcacttt tgtattggag ataacacagg cacaaagtta gtaaaacaat gattttcgga   180

ccatgcttgc aaccccaaca attttaataa gagcctaaaa ctcaagtcaa cataagatca   240

ttccctccaa gaagagggcg aaggcaaaca cgaacttcat gctcttgtga tcccacacga   300

agttttggca ccatgatctc aagcactgat cctggcccat catagtatag ctttatatag   360

gcatcttcaa gaatacgagg tgaaagaggg atttcacgaa caaactcacc   410

<210>   41128
<211>   300
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006d08d1

<400>   41128

agctcttgtt atgcttatag cataacttaa tttaaaaata gctccacata aacaacattc   60

ctacttcgta gtctgagtga ggtttaacac aaatgttttt gtaatcccct ctgctgaatt   120

tggacaaatg atcatacagg tagaattatt aatctcaaac caggggcgtt gctgcttatt   180

gatttgttta ttatgagaag caaaaccaca tcttacacag gagtgccaaa gtccagcatt   240

agttagagct acattagcat attccactaa atgactatgc ctaccattt cataaaacac   300

<210>   41129
<211>   374
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006d09d1

<400>   41129

agtattacat caatagatat tcatgtctta tcatcatcgg cagatcataa tattgttaca   60

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aattccaatg cccttcagta tgtaaattta catataccag agattacatt taccactgcc    120

cattacacta tgagggaata catatattta attcaacgca gattgagatc ctaccacatg    180

acgttattca cgagcagttt gaggcataac tcacaagtcc caacaactct ggaccttcca    240

tacgaggatt attctgaaag gtattgaacg gaatatgctc gaatggcccg gaggtaggaa    300

ttggaccaca taaatcatta ttggagacat ccactacttt aaagctagaa acagcagcaa    360

gttccttggg gatc                                                     374
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<210>   41130
<211>   373
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006d11d1

<400>   41130

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agcattaata acacgacttg ttcttattta ctggtataca aaaagaagca tttgatgaaa     60

tcaggggaa aattcaaaag acaaagaata cattttttcaa actgaactgc aaagaataca    120

taagaaaaga gaaagatttg ctgtcttaag aaaatactat tactgattag acactgactc    180

aattactgat tagacagtga cactgcggag cacaacagtc tcaacggaga gtccagggcc    240

gaaaccaaat agcacacccc agtcaaggcc ttcaccggtt gagccaagtc cattttctat    300

tgatttcttc ctcatttgat ccaagatgaa tagcacacat gcacttgaca tgttaccata    360

ctcgctgagc aca                                                      373
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<210>   41131
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006d12d1

<400>   41131

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aaagacaaaa gctatcgnct cccaaaattt taaaccgctc aggtagacta caatggggag     60

aagaatcgta agttcggaat ttttaacccc aaaagcgcca tgcaagataa ggtcaatagt    120

acagactcaa attaagcact acaagtatcc acgttgaata tctcccagca ttttcgatat    180

caaaggcaaa caatcatcaa gagctgcgat tgatcacgag cttccatgag agatggttaa    240
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tgatgcacca aaaagtcaag ccgcatatgt cgacaagata tttttcttta gaggtaactc    300

gccggccttg gcaggactaa aggacttgtc aagtatgcgc tgnaggcgct ggatttcgnt    360

cttagcataa tcagaacctt tt                                              382


<210>      41132
<211>      487
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910006e02d1

<400>      41132

aaaagcaaac caagcaaaaa ttgaacacaa atataaagtt gacatttaaa aagcaaacca     60

acaacgcaac ggcaaagccc taaaactcgc tgcgcttaac aaaaatgtaa tcaggggttc    120

tcacaaacac aacacattaa aacagaatga taaaaggagt cttgccaccg tcgatcaaga    180

acccaattct gggaacaaaa gttgcgagat gatggtggag acttcaaact atgtccgaaa    240

aacaagctac ctagaaacga agacacaagg gcaagaaacc aacatttatt gtaaccataa    300

gaaacgacat cccctgatga accaaaccgc acgattcact tcttcttctg ggcagccttg    360

gtgaccttgg ctccagtagg atccttcttc tccacgttct tgatgactcc cacagcaaca    420

gtttgacgca tatccctgac agcanagcga ccaagtggng ggtactcaga gaaagttcaa    480

ccaccat                                                              487


<210>      41133
<211>      419
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910006e04d1

<400>      41133

ctataagtct agcaaaaaat tgtcacagac taagatggat gatttcattt cacatggaaa     60

tagtacagcc taactctttg gcagcgatat caagaaagtt aatagacaat ccgtttgaaa    120

gtcggctgag agcttcccaa gtcaagcatt tttctatgtc agcttgccag tcaacggcat    180

ccaaattgaa gtattgataa gaagggttga gggtgccatt taatctccga ggtttaggac    240
```

```
tacatctgat tgaaccagta tgcaaaatgt cacgaagaac tgatatactc agagctcgga    300

catgtgcact tggatgagaa agacatctaa ttgtagctga gatgcgacac tttaaaaggt    360

tagaaaggcc atctgccaca gccaatccag attctccaaa ctcgagcact ggctgaact     419
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<210>   41134
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006e06d1

<400>   41134

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cttttcaaga tttagaatcc aaaaataagc tttaagctta cataaataat taacattatt    120

agacagnaat gaacatccca aaaaacaaaa aaaattaaat caggcagcat taaagaaaaa    180

tgtaaatggc atattcgata tcattttaag aaactatagc tcagcttttc ctatttaaaa    240

ctcttctgtt ctttgcaaaa tcccgagtga atagcaattg actcctcgat ttctccttgg    300

caacaattaa taatcccaca accatgatga gaggaatcat gccagaaaag aaacgctttt    360

tcactgttag gaaaatgaga ctagaaagtt agatctttgg gggcctcaat aatctgggac    420

a                                                                      421
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<210>   41135
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006e07d1

<400>   41135

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aaaattgaat agttacaatt ttattttaat tatattggac aaaaaaagtt atcaaacagc     60

aaaactatgg tagatataaa atgcattaca tctcgcatga aggggggggat ctatacataa    120

tatcatgtgt tgcaagcaac acacaacatt ccaacatgta gacattgaag gtcatacata    180

acttacaatg ccaaaacacc aaccaacaag aatgtcataa aatacagtaa tatgagagag    240

ctaagcaaat tcacgatcca gatatacaat ccagcagtga cccactcgga gccgattcga    300

acccaaactg aagtccaacc aacatctatg agatcttagc tctcagatgt actggtccat    360
```

```
ccagaaagaa gcatggctga atacatgcta gccagggcaa atatttggag gaagaatgaa   420

tacgaataga taacggg                                                    437


<210>       41136
<211>       291
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmro02910006e09d1

<400>       41136

agatagctca tagttatttg cacaaaactg gtaaaattcc agatcaataa ggatagcggc    60

gaagccgcaa agatacaaca ttcattaggg aaaacaggcg tggggaaaaa taagggggga   120

ggggttgagg aagaatcaat tgctcacaga gcatgctaag acacctaaat attccacaca   180

cagcttttga aacaacccaa tatagagaaa attgttctct ggcgctttat aagctaaagc   240

agagccaaat gacttggaag atnctactgt cgtataccat tcagttggca a            291


<210>       41137
<211>       362
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910006e10d1

<400>       41137

accaactcaa taaaaacaat cattgaaact tgacaataaa gagcagagtt ttactgtatc    60

atgctcagca ataatacaag ggcccggaaa acaattctgc acaaaaatat cactggcctt   120

caaaaggaag caactcatgg gaatgcgatc tataattatg aatcataaga atttttttt    180

tctctattaa ctaacaaaat cagagattaa gggggggtccc acttgttctt tggacaaaga   240

agagactagc gaattcttgg ctcattatat tatagacgtc aatatatgcc cagagcatat   300

ctgatttggc tgccctatgc tagtactcca ctatactact agtccaacca ccaccatttt   360

ac                                                                   362


<210>       41138
<211>       396
<212>       DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmro02910006e11d1

<400>   41138

agatattaaa ctcataatat aaagtgtgtt aaaagaaata tgtttgacaa tatcttgaga   60

gtattgctga tatggctcac gcttttcttt ttgttaggat tgttccttga aactaccaca   120

agagtcacgc aaaaccctat cttcattagc tttcacattt gaatcacatc ttctgcatca   180

agctaattat cttggacatt ggcatttcat tttgctttca acacatccat agagcacttt   240

cttttcctca ccacttttgc ttttcccctt aagcatatcc cactgccctg tacattcccc   300

caagaagaaa cccactattc tttgttggct aaaggatcaa gagagacatc aacagtaact   360

aggtgggtct agaagcctta tctcactttc cctcac   396

<210>   41139
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006e12d1

<400>   41139

catccacaat acataataat ttattaaaga tcgagaaatc gtaaaacatg tccatatgaa   60

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tccttatctt caggcttgag ccacctctac tgtttcagaa cccttgttta tttcaacacc   180

gtttacacct ttgtcttgat tggtaccaca gggttctagc ttggnccccct tctctgactt   240

cttttcttca tgggctgttt catgctcaca aactgagatg ccaaccttag gttgacatag   300

gacttcttcg agaatccatt ttctcaattg actggnagcc acttcatcta atcgagagac   360

ggagtgacct tggggatgcc ttattatcag gggtttggca aatgcagatg agagatcctc   420

agatagaagn tncagccaat cttttttcccc aatgaaatga ac   462

<210>   41140
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006f06d1

16352

<400>   41140

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attcaccaca aagctctaac gttgactaac ccctagccag ataaacatga gttacattca   120

caacagtgta gacatacaca gatgaagcat atgataagtt tattgttcaa agcatgagcc   180

tggaccaaca ggagcagttc ttgcaataaa attcttgaca ggagcagctg gaatccctcg   240

tctattcaag agacatctga agtaatgcaa ccgcggcaat gcaattatgt taacatttcc   300

tgagggagaa tctctccgac tccacaagcg ttctgctgct gctgctgctc gaggccatat   360

tgtttgctga acatctgatg tatcaggtgg ctcaccccac atacagact   409

<210>   41141
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006f07d1

<400>   41141

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attcatagca aagaactaaa tttcataaaa gggagcttca caaattcacg aaccaaacag   120

aatttataaa aagaccagaa caaacaacag tttttcaaag gccactattg accatggaaa   180

cactttaaca agagtaaacc tttcaggaac attaaaaaaa aaaaaaccca aagatcttcg   240

gaacttccac atgcttagac ttcaagacac ctacagaaca ttctcagact tttaaaaccc   300

accacgaaga cgcaacacaa ggggaagagt ggactcttc tgaaagttgn agncagcaag   360

agtccttcca tcctccaatt gcttcccagc aaatatcaac ctct   404

<210>   41142
<211>   365
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006f08d1

<400>   41142

aagcactcat aaaatattgt tttcaattaa tttctcaaat acatacccctt gcaaaaaaat   60

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ataatggcga atataagagt gaaataaatt ggatagagag gggcattatc tttctgtcaa    180

ggaggaaagc tagagttggc tttaagcaca acaactgaca tgcacttaag ttttttggag    240

cagcaattct ctacccaagg catgagctca aagaactctt cacagattgc tgaagccttt    300

gcgcaagact tatagggaac atatttctca ccaaaattaa ttccaaagag ctaatgctga    360

aaagc                                                                365
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<210>     41143
<211>     244
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910006f09d1

<400>     41143
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agtcccggca attatcttag tggcttcttg ggcagctttg aaacaggatc cgcaatgaac    120

tttcacttat cattttcatt attttcagca gcaaattaga agggtggcac gcgtgcaacc    180

aacttatcct tcctttgctg attagtaaag tccttcatgt gggccctttt gcgccccttc    240

gggg                                                                 244
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<211>     211
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910006f11d1

<400>     41144
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tctcaactat gtcagaatca gtactgccaa aactacacat tcccttaaga aacatctttt    120

gtacagaatt cagatccaat tgtccatata ctgattcagc ataagcatct aaacctatgt    180

ctagatgtag ctgaaagtct tcaccaacat t                                   211
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<210>     41145
<211>     505
<212>     DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmro02910006g02d1

<400>   41145

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ttaaaaaaaa tacacaagaa aaaaaggtg ttaaaaaaaa tcaaacatta acaagtagtg   120

attggagtgc ttaatataca gttgcattaa atatttattg tggtgaaaga tacctctgat   180

ctgatacgaa gaatgggtcc cctcatgtgt tcttacaggc atagatcaac aaggagaatt   240

caactctatc tttatctttc tgtgcaatct tctcctctaa ccacaatctg ctatccaagc   300

cactcctggt cctgaacatg aacacagcat acccagaagc aggattgaaa aaccagttat   360

gaacatccca aagcaaatcc acaagcaacc catcgacgaa aatcgtgtgg tttcccctga   420

aattccactg cagcctcttc acacgaatca ccgtcttctt atcgatgcaa acagacaaag   480

caggagcctt gagtccttca ttctc   505

<210>   41146
<211>   488
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006g03d1

<400>   41146

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tcatcaaagc acactgcatc ctaacagcac acgtacgtag aaaggtgaag ttccaggtct   120

tgcacaacat acacaacaca ccataatcaa ttgcatatac aatcttatgg agcccaagat   180

gcagatgcat ggactaatta aacaacaacg ttagtctgat aggcagtgtc catagatcaa   240

ttgggtaccc ataaaatggc cttgcttcca cggaaacggc aaacagggtt agctccagga   300

tcaactccca tgagttcatg aagcatgtga tgattcattc cagaagtatc tgagtggcaa   360

acagcaagtg cctgagtttt ggttccatca ccagccacca atggaaccat gaaagctgat   420

gcttcacgga ctttatggca gtaaaatact gcagctctga aatttagccc atgacacatc   480

actggttt   488

<210>   41147

<211>   378
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006g04d1

<400>   41147

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aagcaggaaa ctgtaaatcc gaccagatat gaatgcagca ctatcgaatt ttataaacta   120

caatcaaact atttgctaga agaaacaaga acagtgatct gtctgagttt tcctacacac   180

tttaggttgt agttgcagca actaactggt tctttgggca tgccgcatat gcatgatctt   240

actcaccaca ctcatagcat gtgctcctgc tcatatagcc acttcctgtg gaacttggct   300

tatcaccatc agcttcattt atcctgagac ttcctaagga actaggntta tcaccattag   360

ctccattaac cgaggagc   378

<210>   41148
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006g06d1

<400>   41148

gagaacaata atacactgat tgcaacatac attcaactta tccaaacaaa cagggtccta   60

taaagattac agactccaca attactaata ttcaagggag cttcataggg tattatagta   120

gaaacaaatg taacacaagc aaaagaccag gaactattct gggacttgga atcatagaca   180

acatcttgaa tagcaggtaa ccatcaaaac ccagcattca ggcatttata tcataatttc   240

tctttccaca ccctcataat atctccagca acttcacctt agtaaacaaa acgaagtcaa   300

caggtccaat accaactagc acctgctcct ggattttttcc atggccctgg gagctaagcc   360

aatagcatca gaacccttca tgatttt   387

<210>   41149
<211>   382
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006g08d1

16356

<400>   41149

acaacaagaa aatttttttg ggacttgatt tggtgaaact caaaatttttc taaggacaaa   60

gaagggtttt ttcatggaat tattctttac cttaaaaacc caaaacaaat ttgtttaaac   120

tggggatttc ggagtccact caaaacatct gatttcgcct cctatttatt tggggggccc   180

ttttttgggt ttcgggaatt tcggggggatc tctccttggg gggctggtaa aaccctggaa   240

ttccccattt tggacattga tgtagcaaaa gatttccgaa aattttttaaa tccaacaggg   300

aactcctagg agatctggtc aggtcctca cttttttagaa attgggggatc aactccaaag   360

acaggttgga gggaaaggac cc   382

<210>   41150
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006g09d1

<400>   41150

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cgaattatta aaaacaataa tcaaccaaac ctaagaagca acatgctcaa ctttaaaaaa   120

tctctgacaa caatgattaa atgtgtactc aactaaaatt ctgttcaaca cctcaagaaa   180

tgcaatagaa gttctgatat taacttaaaa aacatcaaaa ggccacaatt ctctttggca   240

ttaaaagtaa aatatagcaa ctccagaata agaagtttaa agncttctac cccttctacc   300

actctttcta cgggtgctat ccgaaagaat gggagtaaca tcctctatac gaccaatttt   360

cattcctgaa cgagcaaagg ctcgaagagc tgatagagca cc   402

<210>   41151
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006g10d1

<400>   41151

agtagccaaa gaagcactta atccattcac ttgaggagat taagaataaa taagattgca   60

16357

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tcaggaaatc aatgatacat tatttacagg gtaaactaaa taacaggaag gagaatttc      120

ccctatccac aaccaagtac atttcattta atgaggtaaa ttaacatgac tagaacatca      180

tgcacaagtt aagatagaat gagaagaaca ggaacatgca tgcaaggcta ggggtctgcc      240

ttaccagcaa cctgttcatc actagaatca tattcatctt cacttagctc ttcatcactg      300

gagttctctt ctgaggcagc tcctatgtct tcaagtttag catacttctc acagnactct      360

ttaacccctta ggtcataagt ggctcgatca cgcatcatta aagctgcag              409
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<210>      41152
<211>      390
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910006g11d1

<400>      41152
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atcacgatca caattcttgg agctttattt acataaaaag ggatttgaag gggttcaaaa      120

gactcctgcc atggaagaga gggcgncgaa gctccaaaag gtcatagggt ttccagcagc      180

atcctgagat gcatcttcac tgagcaaaga cgccaatgca gcatcagccc aagcttcatc      240

aagaaaagaa aggggctcaa agaacttcag ctgggattca atgtctgcaa gctcctcaga      300

aagagttttt gcagaatcat cttgcacaga tgccatatcc agcagaggag gcttcttctg      360

attctgatca gcagcaccct gcacaaactg                                     390
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<210>      41153
<211>      402
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910006g12d1

<400>      41153
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aagaaaaaat caactcagcc cgtcattaac aaggccatgg aacaatttca gggttataca      60

tatgcacatt attttctcga attaagatca tcatcacaaa ttaatgtccc ccacaactta      120

ttcatgccag attttagaac agcaattcat atcacagctt tgaaggcgac tgataccagc      180
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16358

cccacggttc atcaaatatg tacttgggca cttgcttcac acttaaatag ttctcgagtc   240

cccattctcc tagttcacga ccaaaaccac tacgtttaac gcctccccat ggagcttgaa   300

tgaagcttgg ttgagcacaa tttatccata caattccagc ctgaatagcc tttgatatgc   360

gctcgcatct ttctagatct tttgacatta cagcagaccc ta   402

<210>   41154
<211>   476
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006h02d1

<400>   41154

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gcatatgcca cattttcta catagatcaa accgggtaac tcttagttaa catagagcca   120

gctagagtac attccataca gtaatgtcga aataggttca ctctacagct cgggagaaca   180

tatggcatga atagccgatg agccatgagg aacagaaatc tatgtggaat ttcaacattg   240

cctagatatc gacacaattg cctcgtggag acacccaatc tcattcgtac agaaaccagg   300

gtcttcagtg atctggcgct atttgctaaa aggtcttcat caagtgcgct tgaatgcttt   360

tcaaaaacgc actttacggc gcttccacca gatgaggaag atgcaaactt atcatccatt   420

ttagcataag tcgccttatt ctttgtcaaa gtaatgctac caaccattgt agcttc   476

<210>   41155
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006h03a1

<400>   41155

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cttaagctga ccaacagcat actcgttaat agcatcaacc ctgtagagaa cctcgaaccc   120

cttcttctta agcttttcaa ggaaagggga attcttaaca gctttcttgc tttcaccagt   180

aatggagtag atgtcattct gcccttcctt catcctggga acatagtcct tgaggctggg   240

catctcatta ccactcttgg gggagtgata cctgagcaat tcagcaagtt ttgtcttggt   300

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ctgagaatcc tcatgaatac caagtttcag attcttagag aaggcttcat aacttggtat   360

agtctttctt ggtctcagca atttcaaaga acatttcaat gcacttcttg accaagttct   420

tcccgatgac tttca                                                     435
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<210>   41156
<211>   457
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910006h04a1

<400>   41156

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tctagcctta atcatgaaga agtctttttc taaaggaacc gatcgcccct gtcaatcttc    60

gggggcgcaa taatagcaga caccaaatgc ttcctctcaa atgccttaag cagacccact   120

gtatacctgt caatgacgga ccccgaggtc agaacatacg aacaccgtat gcttaagttc   180

ctcaaggtac gggggaacct taaccggcta ccatgcgtcg gaaccgtaag gatgtgatgg   240

actgcggtca ttcttctgtc ctgaactgaa gctgcttgcg gtgggacatg agctactgag   300

tccgggggga ctgatatctg aaccaccaac tcagacacga aatgatcgaa aaattcgaag   360

aatttctggg tcacagaaca ttacctaatg gtaaggatct gagaaacaag atgggcggca   420

aaaccaagtc ttacgagctg actcgcgccg agtttga                            457
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<210>   41157
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006h05d1

<400>   41157

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gcacaataat agtagtctat tatcacattg ccactgagct gtgggagaat taagcatttt    60

ctcgatacac agcatttgct tgagcatcga cgtcaaggta aataatttac ccactacaat   120

taatccaaca acgacacatg ctgtcatcca ctaatttatc agtagagatg accttgcccc   180

agggtttctt cccaaacctg attatcccaa ctagatacag aagctatttt atgccctcca   240

agggaaagaa actagaggag accaatgtcc accagactgc cacatgggtg ccgaaagat    300

gaatcccaag gcccgccaga gtgtaaagag tgtctatcat gccagcgagg gccaaagcat   360
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tatcggacgc ttgtcaagca tacataaatc gtgattctcg acaataactg tagnctgaca   420

taaaacaaga atttcaccg   439

<210>   41158
<211>   489
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006h07d1

<400>   41158

agagttaatt agcagtaata taattaatta attttgatac attacgatgc cttgattggt   60

tccttgagtt gtcagaataa attcatctct ttactcacta gtgatgacct gagaatccaa   120

ttatccaaaa tatgagagca tcaagatgta aactccgaca attccagagt agttatttac   180

agcttcctct aaagcacagt accaacaaaa gtcttaaatt tttttatgc atcttcgggg   240

aaccaggtca agatccttgt tccattttgg ctttttattt gaacagaaga gcttcgnttg   300

gcctttccat aagagacaag actgaggctg caatctgctt tgatgaaagc cctgcttctt   360

ctatctgaac ttggggtgat ccatgctcaa tgtatctatc aggaagcatc attgctctcc   420

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aaccaccga   489

<210>   41159
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006h09d1

<400>   41159

gagcacaaac ataattcaga gctctataca tttttattgg ttcatctcat caataacata   60

agcgttaaac attttcctaa attattgtag tccatccctt ctttaaaaac agggcatatc   120

agnccctttc acaggaaatc atttgcaaca aatattttga actgtgaatg ctttttttcca   180

agggacataa tgacgaagga attcatacat atagtagatg ctaaataatc aaacccagtc   240

accatcattc cattacctcc aagaacaaac caaactctcc aatttctgca tagcccttgc   300

aggggcaacc cacaaacccc aatgacacat gaaaggatcc acaagaagaa aaactataca   360

aagtaggagt catctcaaaa accagagaaa ac   392

<210>   41160
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910006h11d1

<400>   41160

cttcctagtt ttcctagtta gctgattgag cacttcatct gcaataggag caaaagaaga   60

actatcccct ttgggcttgg cctcattagc atcttcattc aattgctttt gaagtgcttc   120

ataggccttg atgatagacc aatacgctgt acctgctgga ttaatgtaaa ctgcatccaa   180

atagtcccta gttccttcgg ggtcgatagt ctatggtcca accagaatcc agcagcatct   240

cccttattcg ttcacgcagn nnctgttttt ctgtaccact accacgctag attttttcctt   300

ctttagttct tgagggtggg agttttcat gcacaggagt ctgctcatcc tcagatatta   360

tttttt   366

<210>   41161
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007a01d1

<400>   41161

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ccaaggtgtt tccaaggagt ggttatttct ccttaaattt acatggacat aaagacacgc   180

agagacatta acagacgtcc acacctttta taattggtag gcaactctat tttaaccatt   240

tagctcccac ctgccttggt gcttttacaa agccataaat aagaaccaca tgtagaaact   300

taattattta taggcaaaaa acaaagtgga atgatctagg tggtggacgg cttagctcga   360

tcttgtcaga aattttcttt atggaagtcg tacttggtgg atgtgttgtg agagaaatcc   420

aatgctagct gacgaagctc atgggtgagg gctgatggcc cacaagtaaa taccccaact   480

cgggcatctg ga   492

<210>   41162
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007a02d1

<400>   41162

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atgttggact gtcgaacggg ataagctaaa gaaaaagtaa cataaatgta aaaaaagaaa   120

aagaaataac aaaactcgtt gcgaaaagaa aagaaggaa aagacaaaaa aaaaaaaaca   180

gaaatgagat agaggaatgg gaaactccga aatttgtgat tggattggtt gaagcatgaa   240

agttagcgtc tgcaaaagtc aaggtaaata cgacgtcgtg cagtgaagcc acccgcttcc   300

tagactccac gtgacttgct atgttcaggt tcttcattga cggtaacggc gtgataatca   360

ggacttggaa acggaggccg cgtctttgac gacggcgtta gccagagtga gcgcggacat   420

tcggggagag gagggcccat cacc   444

<210>   41163
<211>   299
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007a05d1

<400>   41163

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tattagatcc tcacccaaat ataccaaata aaatattgtt ataactttc aactttgctg   120

gcgagtgggc gggctttaca catagcctcc aatggaatta accttgacaa ggtgatccaa   180

ttattctctg tcatatcaag cttcttctca cttactcgtt tccagtcaaa acattgaatc   240

attaatccca aagtatagct aacactttgc atagccatgg gttttttctgg gcaagccct   299

<210>   41164
<211>   251
<212>   DNA

16363

<213>   Glycine max

<223>   Clone ID: jC-gmro02910007a06d1

<400>   41164

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gtgtcctttt tttgtttaca taaatttagg tactagctta taatcaacac caaaatgcag   180

caagtacact aacgagggca tgaacacaat catttacagc aattcacaaa aaaaggccct   240

cttgaatatt a   251

<210>   41165
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007a11d1

<400>   41165

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aaatcctctt aagggggttt attcggcctg ggccagcccc aaaaaacatt atggtaacgc   120

actgcaagga acattatttc cctgcttgat cattattccc tatgactgga aatgcatggg   180

acaaaggccc cattgcaggt gaggcctcct gataagacac taagacctat actagaccat   240

acatttggca ttttccatct cttaaaggac attatgcgtt tctaggaaag tcatctttga   300

cccatacatg actagcttac aatgatatgg ggatctgcgg atacttcacc cagagatttc   360

cgctcgtctt acaaaattgt ttagcttttc tactgcatta cacggatgat aaggtgaacc   420

ttcacaagag gaggaagccc ttttttacctt acaa   454

<210>   41166
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007a12d1

<400>   41166

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16364

caaaacttac aaagtctaaa ccaacaaaaa gagattggtc acaccttctt tagcagacta   120

aagattttgc cggagctttt aaagactcca cgtcctttga attccaggat atgctactca   180

attttttgaat tttttttggcg cctgggtaaa ctggggtgct ttggcaactg gggcactggg   240

ggcactaaaa gtattgtgaa taggaccttg ggctaagcgc tccttcctac gagcaagttt   300

ccttttcctg atagccttgt tctttgcccg tttggcctta aactgagtaa acaaaggttt   360

ttatcttgcc ttttttaacct tggactt   387

<210>   41167
<211>   484
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007b02d1

<400>   41167

acacaaaacc ataggaatat gatataagtt atgatcatca tcgacatatt gtgtacaaca   60

atagcaaacg aaaaactaaa aagctaataa tatccctatt acataaatag gattacgaac   120

aagatagtaa caaaaaagaa aataaaaaga tatgtagcga taaaccataa tcataatcac   180

actgaactat tattattatt attatttttg ggtcgataat gatcacactg aaccttgagt   240

aaccttgttt atgactttaa catcctgacc caacgacacc acacccggtc tcatatctgc   300

ggttacgggc ggaaaaaccc cttggtacgg aggagccgtgc actaccccac cacccggcac   360

agtataataa acctgtctcc cactcgcact atcgtacgcc acctgcgagt acggaccaac   420

cgtattatcc agcatcccac ctggccgaac cattccgaat ccttccgtat acgcgggagc   480

ctta   484

<210>   41168
<211>   271
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007b06d1

<400>   41168

atgggcaatc ccttcataat tgcaaaaatg cactatggaa gaaaaattag gagggagggg   60

gagtaacacg tttaaaattc tatacaactt ctgatgttca tcatatctat gagaagagaa   120

16365

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attgataatt ctcagggctt gcctcatcta aaatcacaag ctggatgatc agtaagatac    180

ctattcattt tcatttgact cggtctatac atcatataca ggcattcctt ttttaatgga    240

tccacggcag acagggcacc tttttcattt t                                   271
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<210>   41169
<211>   457
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007b07d1

<400>   41169

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aaatggtgta ttaaaaccca tgaacatttg aatttccaag gtcataatag tcagtaaagg    60

gtataattga tacaaaacct caatgataga aataaatgca aaccaaaaaa gcaatagaaa    120

ctaatagcat ggcaaaagga tccgtaaaga actgcggggg gcaaaagtaa tcgcagaaga    180

ttgtgagagc ttaagtatgc atgaaaggca gagttatgta gaagactgct cctcagggggg    240

tggtggagct tctttctggg gtaaatctgc agtaccgtta ttagtggtgg catcctttgg    300

ttgtgatcca ggtgcggcgt ctggtgcaga tccattggct ttagatgctg tttcttttcc    360

gtcttttcca tctttcccat ctttggcgtc tttagcacgt gcaggaggag ggggaatcat    420

gtgagctggt ggtgtatgtt tcagcttcaa caatatc                            457
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<210>   41170
<211>   527
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007b08d1

<400>   41170

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agtgttaaga ggataaatag gaggatatta ttggaagata aaagctaatc aaaggacatt    60

gaacaaaact gagaatcaag agcatagtgc tgctaaatct ttagtgctgc taaatccctg    120

aactgcacaa gaatttaaac taaaccagaa acaaacacaa caatagctat ttatttgttt    180

gctcttaatt ttctatacac tataagtcaa tattatctta atttcactac ttctatacat    240

tggtgttcta ttagcttaaa ctcctctcta acagataaca ggttgttgtg ctaagtcttt    300

atgtatctgc acaaagaggc atacccctca atcctgccaa agggcatgtg gttccgttcc    360
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accacgctgc ttccaaagcc ttcatgcttt ccccgttggc ttttcctctc ttagtcttcc   420

aagagccaat taacaaaatg gaaagcatat gaagtcaatc ttctgttcag atgctcagtg   480

gtctcagttc tctttcgtgc tcttgaaacc agtcactatt tttttac   527

<210>   41171
<211>   370
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007c01d1

<400>   41171

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aaaaaaagtt gcataaccaa aataatgttt gaagtttact agtcttacaa cagtaatcaa   180

attgtggaag accttacaat aacaaataca acttgtcatt gtagtatttg actaccataa   240

tcagcattga acttgtcata tttgtgggca tggagatgag cagatggcct tgtgtttctc   300

aaagctgtct ctatatcttc agatctgatt ggcccaactt ttggcaactc ttcttcaggc   360

accacatcct   370

<210>   41172
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007c02d1

<400>   41172

aatccaaacc gcaaatgcat atctaataaa tccaacaagt tatgctaatc catcctacag   60

caattcagat acgaaaaaaa gtgaaaccaa aagtaccaag aacataaact tccttagtac   120

tctgactaaa acaaaacatc taagacacct gcaaataaac tggggggaag catacggaat   180

aggaataact ggaaagcaga ttccagtcaa aagactaaag gaatctaaga cacaagattg   240

tcattgagag agagtgaagc tagttgatca gctgggttag tttgctgttg agcaacattt   300

cttaacacat ccatggcttc agcaactttt gccttcagag catctggtga ctcaatcaga   360

tgtaaaactt caggctggtc catctccaga agcatgccag taacctttgc tgcagcatcg   420

16367

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tgttccagct gatccacaag cgggtataaa gcttcaccga gcatagtcct ctgctgttca    480

gggggagca                                                            489


<210>       41173
<211>       512
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmro02910007c03d1

<400>       41173

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acaagcagaa aatatggcaa ttactctgct gtgactcatc taacagcagt agacaccaac    120

attaagcaga atatcactgg tcctaaacct aactttctct ttatattttt cttttttcccc    180

cttttatggg atagggattg tgaagaggga ttttctgtcg atatatagca aacgaattac    240

acgtcccttg ttcccaaagc cccctcacca ccaaaagaca gttggggggc ataagccaca    300

tcgcatttat cagtcttcta tccctaatag ggtcgatacc ttctactacg attgccttca    360

tcattgccac tacctcctcc tnctcctcgc cctggctgcc cacttggacc attgctccga    420

tcaattctgc gggntcgggt tgctggcact tgtacaccag gttgttgaag aacatagcca    480

attcgaccgt ctggtaacac cattggaacc at                                  512


<210>       41174
<211>       392
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910007c04d1

<400>       41174

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tatggcacta ctcaactcta tggccacacc taagattacc cgattacatg atgataaaaa    180

cgtgattttg gtggcttcat aatacattcc agcatcgact ctccaatcag acgcaattag    240

aacaatttgg ctcaaaatga attcattgtg acctagagac actaattcaa agtctgaaag    300

tactatagcc tccaagagca gaagatccat acccaccact atagggttgc gaggacaagg    360
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16368

aagatgagga atacgatgaa ctgcccaact ga   392

<210>   41175
<211>   417
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007c05d1

<400>   41175

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aataccacca cttattatct ccttgcactc ttgaggtaat ctgcccttat tgcccacaat   120

tgctcgccca ctgatttcat gtcaggtcta tctgttcgaa tgggggctgc acattgaaac   180

gccaaatcaa gcattttcat cagaacatct ccgtttacag cttcttccat taaaggatcc   240

acaagttcca ccacacttcc ttcattatac ttcctgaagg cccatctgag tgtaacccgc   300

tctgcaacag ttttcttcaa ctcaacagga cggcgggctg tcacaatttc taaaagcaaa   360

attccaaatg aataaacgtc actcttggga gtgagttggt atgttttcat atactcg   417

<210>   41176
<211>   467
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007c06d1

<400>   41176

cacaaggaag aaaagattat ttgcttacta atcaattatt tagacatcaa aattcaaaac   60

aaataattta gagcttctag tgcagtaaac caccttaagc accacgaagt gccttaaaaa   120

actatataaa atacattagg aacatcaggg cttccgatcc aaacatgaac aaccagcaga   180

tacataagaa atccttagca gctaattaaa aataaccaga taccgctatt tagttgctat   240

atataatcca actcttcact tgaaacattt aggtgaatac tactacagcc atatgttgac   300

cacctcattc tttgccatct gctgctcgaa gtgagcctag ttgaactggg gcttgagtct   360

gcaccacttt ggaagaccca tacactgata tatcaatacc ttgagccttc tccttctcga   420

tctgctcctt aatccagaag tatgtgatcc tcagtccatc cttcaac   467

16369

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<210>     41177
<211>     374
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910007c07d1

<400>     41177

ggaacaatga aattacttac tttatcattc aataaaaatc acatgacata tgcccaaaac     60

caaatcaaat cctaagatac atggggtacc cgtatcaata aatgccctcc aatgtaacat    120

taatgtatac gaaaatttgt ataatctcca atatttcggc cctgttgctt tgaaccaaaa    180

agaagagaaa aaacacccgg gggtgacacg ggttggttga ccaaagatcc aggtcataag    240

tccggctttt aaaaacaatc tggggcttcg gcggtaagga gtcacctggg gggagagttt    300

accttaacgg ggatttgccc ccttctaagg gaccccactt ttatattcac cggggggccta   360

aggcgtaacg gaaa                                                      374
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<210>     41178
<211>     406
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910007c08d1

<400>     41178

aaacccaacc aaaatttttt catctgaaat ttatatttta aatttcaaac aaaaatatca     60

tcaccataga taaaccactt aagtaattat atacccatat ggggggagaa aaaaaagaa    120

aaggatattg cagaaccctt taaaactctt cgaaactcat tttaatttaa aaaaaatttt    180

ggggggtaga taacaaaaag gttgtattac gaggcggggg agaactgggg gtggaaactt    240

tggggggaaa gcagagcaac tggggggctt tgggggaggg gggggctaa gtcccaccgg     300

ggaaggatca aaatcaatct gcgccaacac attctccaat tgaaaccctc caatcacaat    360

tgaatttctg ggattttcac cttcattaac aaaccctaag cacata                  406
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<210>     41179
<211>     446
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910007c10a1
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<400>   41179

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ccacaagtac tgcaacatgc tttctcataa tagcacctct ggttgtgcta tggtgttgga   120

agctactaaa gtgggtgtgg ctgaggccaa agagattgga gagagcatta agggcacagg   180

gccttcaggg gaatccctac agcctcttga ttggggacac taaggaaatg tacacagtgc   240

tcatgcaagc tgccagatct caacaatcta caagttcttt tctctctaag gataaggatg   300

cagcaccaca tatcacaacc tttaaccatc acattgtcaa caaattcggc aagaattcat   360

ttttttggga aggtaccaaa ccaaaagtgg taatcactga ccctgagcaa atcaaagaag   420

tcttcaacaa gatccaagac tttgag   446

<210>   41180
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007c11d1

<400>   41180

atagaggagg caatcattta accaaaaata tggtatatgt atatatagca gagccaaaac   60

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caattgcaac taagtttgct gtgcttgact aagaatgccc catctgttct ggagggttat   180

ttacattcct aatgttccac caaaatttgg cattacttct gccatcagaa tcctttcttt   240

cagactgtgc ttcctgcatt tcagatgaac caggattctc tgtcaagaat cgttcccaga   300

atatgtcatt aacaccagta gtcacagggg cttttcccac tggttgttct tttgatgcat   360

caagatcagg aacagcaact acagatggct cagaattcat gttgattcca ggtgacttag   420

gctgatcttc aacttctagt tgcacacaag atatagctgg actatctgca caacttgtag   480

atgcatcaaa atccaggttt aaatgacttt gaacaaagat gtcaccaaca tcat   534

<210>   41181
<211>   518
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007c12d1

16371

<400>   41181

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taaaaataaa agactaaaca tacatcaact ctgttgtggg tagcacaaga aattctgctt   120

cttattgcaa gagcatgatc taccaacgaa gttgaaaata agaattacaa tggatcccac   180

ttattccaac acacatacta caaccatacc atatgggatc actcatatgc agccagacac   240

cacatggcat agcataacta ttcaaaaaac atggcatcgc ataaataacc aaacccaaaa   300

aataaatgat acaagattca tccatgaaca agacaagatt cttagctatt aacaaatgca   360

caatgctttc tgatctctcc ctctgtccct gtcttcacct taattcttcc cattttctct   420

atggaggttg caaactcagc aaagaatttt tcaactgacc cttcagcaat tcaatgattt   480

gagcctttgt actgaattag taacaatgcg catctgac   518

<210>   41182
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007d02d1

<400>   41182

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aaatgaagtt tatcgtcggt attgagatgt aaaaatttga ccaagctatt agtattatct   120

tatagcccat ctataatatc caaaacatta gatctttggt gctccaagcc ttctctagta   180

acaggtgaac ttcctacact attgctatga tgccaaactt tggcacttct tttcttggtt   240

acttcaagat tctcgctttt gctaactcca gggcttcttt tcctcatagt tacctcttct   300

aataatcttt tatcctcttg agaaaggtta gatcccaaag gcttgttaat actgtctaaa   360

gatataaatc gcaacatgtt tgattgaaaa tcaagtcgcc taggagaagt tcttgttggc   420

attggcctca tggtattgtg tctgtatctt acaaatgtaa ccaaatagtg aaggtgagtc   480

aacaattcga ttatgtaaaa atcca   505

<210>   41183
<211>   517
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007d03d1

<400>   41183

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gtaaaggcct ttggatgaac catattatac aacaatacat ctcagcaacc tcaaccctaa   120

taagttagaa gtaagtcaat ccaaagttaa aagagtatgg catgctactc ttgctgagaa   180

catggaatca aggtgaacta aactgactta tttttcttgt taagattcta gatgtaaaat   240

ttggtggggt ttattcagat tgccatactg tgatttggga cagccctaat gaaaaaatta   300

tgtgagcaca ttgtgtcatc agtaacagca gaagaaaac cctttagacc taccttcaat   360

attgccacct tttggggttt ctccagaatc atctcttcta gccattaaag cacttgtacc   420

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agatggtgaa atagtagtta gatatcgaag cagcatc   517

<210>   41184
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007d04d1

<400>   41184

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cacccgcaca attcaagcga aaacaatagg ttatgtacat cactcagaat cacactgaaa   120

tattcaacct gttccttttc gccattcatt ctctgcacca gcccatttac acttttata   180

tttttggcaa aatcaggaat tttgtcctcc taaaattcct tcctttccat tataccccac   240

cttgacaaaa accaaaaaca aaagggtaaa ataagataag aaacttgaag gtttccccac   300

aagtatatgt ataggccaag tagaattttc caaactcatt tttattgtct tctctgcctc   360

tccggaaatg atttagcagg cctgaggaca cgtttatttt gcggcaccgg cgctccaaaa   420

accatagttt gggaacgtgt caccatgtca accatgga   458

<210>   41185
<211>   453
<212>   DNA
<213>   Glycine max

16373

<223>   Clone ID: jC-gmro02910007d05d1

<400>   41185

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agaacagcat caaccaaatg gataaaatac aagctgtcca agaggacaaa gatccttatt   120

cttctaaact acaaagaata caaataggaa actggcaatg tgaaaaagaa aacatggtga   180

caaacacaaa tctgtgctat gattcaatca gaagcaacaa tccaggaccc agcagcagca   240

taaagcagca caacatccct tccaaaatcc atcacccctg cttgtggttt cttctggaac   300

tctttgttgg gggtacccta cagctgtagg atcacctttg gaaggataac ccataggtgg   360

tggggcacta acatacagtg ctggaggata tgatacaggg gattcttgct gattgttgaa   420

gcgactcatg ttgatgatga tgatgaagta act   453

<210>   41186
<211>   428
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007d07d1

<400>   41186

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atgactaagg atgcacaaga cagaaaagga acactcaagg aatacataca tggaaattaa   180

aaaaaagaaa aagaaaaaga aaagacacaa aagggataca aaatacaccc ttggacacaa   240

gcatgcttat ctacaatttg atgcatgccc ccatggtttt ggccttctct tccaaacacc   300

cccaacaact gtagctgatg agaggaaaag acgaaaaagc ctaaattagg gaactgcata   360

gacagatcac tagcactcct caacatagaa attattattc ttcggggggaa acaccatgca   420

tagcccctt   428

<210>   41187
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007d08d1

<400>   41187

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aagccacaag gaccttcata agtgctgcag ttgctcattc tttattctac aattttactg   120

ctgtctgaag ttgtcccatt ttaggaagac tatgtgctta tagtattcca tttatagtga   180

aatgcaatca ggagaaaagt cctggggtat tgaaagggaa atttgggtca atttccactg   240

gatcaagtga gaaattgaaa tcaggaattg gagaattggt tgctgatgtg gtggtggaaa   300

tgatcgcatt gatatcggat tccgaatgtg gcttgctgta gatcccatca aacacattca   360

tctggagagt tggagatggt aaatagtttg aggtctggat tgttgtggat aaaaggtgtg   420

tttggtatac gtcgcttaag aaggact   447

<210>   41188
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007d12d1

<400>   41188

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tatgcattgg tacaaaaaca cacaaaacat aatgacacat aaattgacaa gcatcatttg   120

tgttattaga aagtacgtag attgatccaa aaggtaacca catactcctt agatagagat   180

actgttggga attcctctga aagtcaaccc ttcctcactt gtaggaagga gcaatgtgta   240

tggtagctga acaggtccat atcggttttt cttggtggaa tcattgtttc tcgctgtgat   300

tttttcctca atttctgcca gcttgcttcc aaactttttg aaggattcta atgcctttga   360

atcagatgtc caatttggat tgtctctctc cccaagggag atctcatcag atgcatgcct   420

tgacaatatc tctatgactg tgagatcaat aatgtgctgg cgcttcggcg tga   473

<210>   41189
<211>   449
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007e01d1

<400>   41189

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aatgtccatc aaattttcct agtgcacaaa ccatacaagg aagatcaaac cccagaaaaa   120

cggggactaa acagattcgt gttccatatt ggatgacatc tagatttagt tgtcaacccc   180

ggattcaata ccgttggtac ttcgtagctg gtttattgct atcaggaacc aatctttgtc   240

atcttgttga tcatatttcc ataaaattgc gcctcctttc tattattctc tttcaccttt   300

tccttcaaag tcctgtactc caatttgaca tccctgttgt tagggtcaat gtcaagagct   360

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<210> 41190
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007e03d1

<400> 41190

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caaaatagag ctaggtacta gttaagcata cacatttata catatactat gcatgcaatg   120

tacttttaac tagtgtttgg agtttgcctt aaagctaaaa ccatcacaaa ccctcaattg   180

attcagttta ttttgcggca attttctctt acttcaccgt tggaattgtc tttgacatca   240

agcaggccca tcttgaccat agcttgttgg aaatcaaaga agaacatggt tggttgaatg   300

cataagcatt cacaaagttc ctggttctgg ggctattgta gagtgtttgg tctgatgtaa   360

gaaccccatt tctcctcaac aaagcgttga agtaaacgtt gtcaaaatcg ttgctcgtgg   420

catcgaat                                                            428
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<210> 41191
<211> 363
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007e04d1

<400> 41191

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aagcaggggc aaagctaaaa tattttatat ttggatttgg atttgttggc acccagctga    60
```

```
gatgccatgc cgtgctttac aacatccgtg catttcctac acatccttag caaacataaa   120

gtttagccct ctctttact cattcacttc tgtctctatt caaagtctga gtccatgttt   180

cccattgctt tcaaacctct tgggctcttt ttggatatct tcttctccct aacctcgtat   240

cgttccaagg gaagatcgca caaccatgcg cccggactaa caagattgag ggttcgttga   300

atgaatttaa ctctcttctt gggtctctga ggcagctttg agcccttaat ggcgagaaaa   360

tct                                                                363
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```
<210>      41192
<211>      332
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910007e06d1

<400>      41192
```

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cttctatgat ctttgttaaa tattttaatt tggtctaatt ctttctgttt atttattgaa    60

aaaacccagc cacgacccag gggagaggga gagtatccac aaagtactaa accagggcca   120

aaactggtgc gggaactgcc aaaaactcca tcgcattagc acccaccgga gaagacacta   180

agacctagaa taaaccatac agaatgaaga ctgataccct tacgtaacaa cataggacac   240

ttagaaaaca cggattgaca gagaaaccca gtccaacgca taagagggg acttctggag   300

agaaaaaata gccgaatcac cttcacactg cg                                 332
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```
<210>      41193
<211>      490
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910007e07d1

<400>      41193
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attattaggc gaattataga tgtcctaatt ttattgaagg tagctcatca tgtttttttt    60

atgcttctca taacagactc cattcactca ctctatgaac cccaaccaac caaccacatg   120

atactgatat tgaaaaggaa aggggaaggg tttcgaaatg atatccttaa caccacaatc   180

ccctaaacga cgacacgaga aagaaaagaa gagaaaaaaa aggcaaaaac gacaccgaaa   240

gaaataacac agattcagag attaaagccg cgggtcaacg tcgtctaaga gagttgaccg   300
```

cagttggcga tgacaacggg cttggaggtc ctgccggagc tggatccgac cttctcgatg 360

tccttgacaa cgttcaatcc ttcgatgacc tgtccgaaca cgacatgctt tccgtcgagc 420

cactctgtct tctccgtgca aatgaagaac tgagatccgt tggttccggg accggcgttc 480

gccatggaga 490

<210>   41194
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007e09d1

<400>   41194

ataacaacgg ataacatttt tatatatttt tggaaaaagt attgcgcatc ccctcagaga 60

gattcgctca caaagccccc aagaactctt ttatttggtg ataaataat aacacacaag 120

ccgaggtata caacattaag actaatttga atcaccaaac tttaaaagca ggtgatgatc 180

aattaattaa gggcaaaaca caagcctata atcagatcct cccatgcaag tgaacatgct 240

gattgcgtca tccataggggt aactcaaagc atttggacac ctctctttga ggaacttgga 300

ataatcagtg ggaccgcaac ccgcatcacc ggggcttcaa cagtactgag gtgtattgta 360

aacctggcac gggatgttgc atccgccggt tacctgttac tgagtgggac actccttcat 420

gatgtctgcg gcgcttttaa ctgagctgcc atgtgaagtc gggctctcct gcaagggaat 480

g 481

<210>   41195
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007e11d1

<400>   41195

aaatggtgta ttaaatccca tgaacatttg aatttccaag gtcataatag tcagtaaagg 60

gtataattga tacaaaacct caatgataga aataaatgca aaccaaaaaa gcaatagaaa 120

ctaatagcat ggcaaaagga tccgtaaaga actgcggggg gcaaaagtaa tcgcagaaga 180

ttgtgagagc ttaagtatgc atgaaaggca gagttatgta gaagactgct cctcaggggg 240

16378

```
tggtggagct tctttctggg gtaaatcttc agtacggtta ttaatggtgg catgctttgt   300

ttgtgatcca ggtgcggctt ctggtgcaga tccattggct ttagatgctg tttcttttcc   360

gtctttttcca tctttcccat ctttggcgtc tatagcaggt gcaggaggag ggggaatcat   420

gtgagctggt ggtgtatgtt tcaagttcaa caatatctgc ct                      462
```

```
<210>      41196
<211>      370
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910007e12d1

<400>      41196
```

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cattgaacct acttaatttt ctccatccat tgcacattca attatatcaa.tggactcttt    60

cattcgtgat gtgtctatca gcctgataag ccaactcggt atttgcgtta ctattaaaaa   120

atgtacgatc ccacagaaca gatcttttgt gctgtgaaca caaaactaag gttgtcgcac   180

aaaaaaaaat gtgtacagag ttgaatacta caaaaaatgt gaatcacttt ttttcccca    240

gaatgtaata cagtaacttg ggatgcataa tttgccttta ttcctctcga atctatcatt   300

ttaattcaat tggtggtgcg ttgtgataac ctattcattc gggtcagcat cctgaaccct   360

ttctgcatct                                                           370
```

```
<210>      41197
<211>      298
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910007f01d1

<400>      41197
```

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aatccatggg gatatataat taattcaaat atgttaatat cccataataa attcgaaatg    60

aatgtccatc caattctcct agtgcacaaa ccatacatgg aagatcactc cccaaaacaa   120

cggggactaa accgattcgt gttccatatg ggatgacatc tagatttatt tgtcatcccc   180

agaattaata cgcgtggcac ttagtagctg gtttattgct atcatgaacc aatctttgca   240

tgttgtcgaa catattgacg taaaatggcg cctcctttct attattctac ttcacctt    298
```

<210> 41198
<211> 412
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007f02d1

<400> 41198

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gaattggaga aggggtcatat ttctttcatt atcattacaa gcttagcaaa acatgagcaa    60

catatttaaa ggctctcatt cgagcaacca gtttaacaaa tcaaacatac ccaaaaatga   120

gggacgagtg gacttgtgac ttgctgagtc cttcatccct taaatcgaat tcctttggtc   180

agggtggagt gggtgtatga atgcagaatt catttgccaa accttaactg acgcagtcac   240

agaggcctcg gtggcattat aaataaaaa caatctagca gctccataga ttgccttggt   300

tggataaact cgagatgtta cacacgttct tccaccttga gcaaaacttt tcactataga   360

atggtccacc agtatcctta cagacaattt ttcgtctttt agtactggga ct           412
```

<210> 41199
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007f03d1

<400> 41199

```
aaccggagaa aaacaaagat gttgaaatat ccatgtaaca agtaaataac caaaacgaac    60

gttttaaaaa taaataaaag gccttagtgc cacggtcttt aacataaaaa tcaattctac   120

agtaaagcag gaactaactt tgtgccaaaa ctcaaaaaca gattcggatg tgaaaacact   180

aaaaagctta acctaataac gaccaatagc ccaaactctg accacaccat cggtatagcc   240

actaaacaaa gtgcttgcat ccgcactcca gttcaaactt gtgcaataaa taaccttctt   300

cttgttggcg ttaccaccac cggaggtggc atcagcctca gtcttga                 347
```

<210> 41200
<211> 328
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910007f04d1

<400> 41200

16380

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ctggggaggg caaaaatgtc tgcaattaga atcaacaaag agccgggtcc ctcatcaagt    60

gtttaataat gcaaaaactc catcccctac acagaagaga caactaaaaa aagcttaatg   120

ctcctaacag ggtaacaaca ccggttcccg aaaccgattt attcatactt ctcatttctg   180

cccgagcaag aagacactaa atcgcaggta gacaccagca cataatgtct agacaagcta   240

cttttttttta gaacaacctt aaaaagactt cttggcaaca aatacaagca ggtcaatgac   300

acgtgagctg tatccccact cgttggat                                      328
```

<210>   41201
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007f06d1

<400>   41201

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acaataataa atccatattt ttataattaa aagtagtaga ttacagcgat gcacttgaga    60

aacatattaa gtggactaat tctccctggt caagcaagaa aaaaaccagc tatgacccaa   120

ggtagagaga gattatacac agaatactag taattaacta agactggctc tgcaattgcc   180

aaaaactcca ttgcagtagc agccacctga gaagacacta agacctagac tagaccatac   240

ataatgaaga ttaataccct tacataacaa cataggacac taagaaaaca cggcttcaca   300

gagaatccca gtcgatctca taagaggggt acttctggag attaaaatta tccgaatcac   360

cttcccactg cggctcgctg acgtcagcga aagtcagaac cgaaagcggc gaagaacctt   420

cagaagagga ggaagcagct tcgaccttac aag                                453
```

<210>   41202
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007f07d1

<400>   41202

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acttggcact tgacagtcac accctcgtaa ctgaaacttg taaacaaaat aatgataagt    60

atgaagtaaa aatccaaatt acaacttatg ccaataatca catcaaatta taaacccct   120

tccgagtcta tgacttgggt aggtgtttag ccttgccaca aaacagtgca ttgggaggaa   180
```

gaagagtctc agtgtatacg ctctgctcat tgttccacac cctcagatac aattcttgtc 240

ctaaatacct ttggggccag attgcagatc tcaagttcca catacccttа ttgtccaaag 300

ataccaatat ggcactccaa gaatttggat acacctgaac agtgtgtcta gtcatcccat 360

caaccaagtt gtaagtcttt ctcgaatcag ggatccacaa gccattgtca tatccaacaa 420

catagaagct agatccatcc atgtgccatg actgcgtgta attctcattg tttggaagat 480

aattcttgca agtcatggag ggtgaatcct atgacagatg tgcctaattt ggcaggg 537

<210>   41203
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007f09d1

<400>   41203

aaatcaaata ttgaagtacg ataatttaat ttcaaggctt cacgaaatta agagtgaagc 60

caaagagaac gaattcatag acatatagat agagtatagc attagctatt acaacaacat 120

atccaaatgg aagtctgttt tctccacttc aaggaatatc caaatatatg tacagaatga 180

tgatatacgt taaactaaag tataatgaat aaattgttta tttgcccttc ttatcctcag 240

gcaaagcaga agctgtgcat atgggaggta gtttgggcat agagggcac ttcgtggtgg 300

ggcgagattg tgatcatgtg cgcaagcttt cagcgtgccg acatcgtgca tgttcttgta 360

ttcttccagg cagattgcac aagcttcttc ttctcgactt tgctcagatg aacagtatat 420

tgtttctgtc aaatacttgg aaatcaaatc ctcagacaat cctgtgctca catggcctat 480

t   481

<210>   41204
<211>   471
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910007f11d1

<400>   41204

gataaattaa cactcacaaa gcactacaac aacaacaaca acaacaaagg ccttattcta 60

16382

```
caagttgtcg gctacattga tcacaaagca ctaaaaacag tcaaatttac acatcaaggg    120

tgaatttatt ccacttacat cattgaacat cttggctagt gattagggcc caaaagtgag    180

agaagaaaag tcctgtagtg actggaggtg tctgagtgta cttggtggtt caaaggcttg    240

gtgtgtttct tggaaggtgc aaatgtgaga gactgcatat caacctgagg ccttgtgaca    300

acgaccgtaa tgagggtgga atgatgagtc cccaagcctt tcatggcctt atgcaacacc    360

tgtgcaaaat actttcctgg attaacagga cattggatta ttgtgaaaag aggcatgttg    420

aaaggcccca catgtttcat tgtttactgc cttcttcagn gaatgaccat a            471
```

<210>   41205
<211>   355
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007f12d1

<400>   41205

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gaaccaaaac cacaatatga aacttgttat taatttataa aggcggattt catctcacat     60

cccaattaaa ttttaaaaa caggggggtac gcaatttact tatttcccgg aaaacattca    120

ttaatgtccc ccaaaactgg gtttaaatcc aaaaatccag atgggacgtg tagtgaatcc    180

gcgcgaaaaa agtggcccgg gggtggtaag ggcgggtgcg tcttgtggca ggcacattgg    240

agggcttgga aaccttgggg ggccatcctt gggacggagg ctcaaacgct ttctatgttc    300

tcttttttccc acctgtattg ggagccaaca cccccacttt tattttaacc acccc        355
```

<210>   41206
<211>   416
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007g01d1

<400>   41206

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gaagtatacc aagtcacttc ctatattcca taaactccaa tgtcagaatt gaaataaaag     60

caaacataga acttatttaa gccagatgca acaagctcgt tcaattcagt aaaatctcaa    120

acaaactaaa atttacaaaa tttactttac taatcacgta catgagtagt aggcacttga    180

tctagttaat tctaacactc tgccagacaa aatgcgagac tatattagct tgattcctcc    240
```

acagcctcat cctttttcttt agatttcccc tcatctgcaa tttgaaaacc ctcaatcttg 300

cgtgaaacct catctgcagt ttccttcacc ttatcaactg aaccatttgc agacacagtc 360

tctgagtcat cgagggtcaa ggggccagtc tgccatattc tgatggttcc atcctc 416

<210>   41207
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007g04d1

<400>   41207

cattgaacct acttaatttt ctccattcat tgaacattca attatatcaa tcaactcttt 60

cgcttgtgtt gtgtttatca acctcatcaa ccaactcggt atttgcatta ctatttagta 120

atgtacgata ccacaaaacg gatcttttgt gttgtgaaca caagctaagg ttgtcgttac 180

aaaaaaaaat gtctaaagag ttgcatatac aaaaaagttg aatcactttt tttcccccag 240

aagtagatac agttacttgg catgcattat ttgcctttat tactatgtaa tatatcatat 300

aatattaatt tggggtgtgt tctgatgagt cattcattca gctcagcagc gtgaaccctt 360

tttgcatcta agtgatccag ctgatgctgt tatagaactc acaagtgaag atgattttgc 420

tgccaaactg gatgctcttg cata 444

<210>   41208
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007g06d1

<400>   41208

ggcaatcaat gttatttaac acgacgaagt ttatgtaacg accatatcat cctacattgt 60

atgatgaagc atgccaccgg tcatttttct tcttagtcag gtggtgccac aattctcaaa 120

ttcctagaca gaagaacata aactgtaggt actttacaaa cacaaggtat gcaattacaa 180

atttacatgc agtcaagata catatagttt ctccgtcgat tgtactgaag aaggcttcca 240

taggtgcgat cccagacacc aatgaaaagt gattctgtgt cagggctaaa agatacacca 300

gagatctccc caaaaaaatt gatctcctgc tctttctcaa acccactctg tgcatcatag 360

```
acatgcacaa agtcagctgg ctcagccatt gccatgaacc gtccatcaga tgtaaaccgt   420

atagaacgta tagctccaag gttgccctta agcacagcaa tagattttga caagttccta   480

acatcccaaa cacggcatgt tttgtcttgg ttcccagtag caaaaatacg gcca          534
```

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<210>     41209
<211>     492
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910007g07d1

<400>     41209
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aacacgttaa aatcatattt tattatctac atgtaattca acattaatta ttacaacttt    60

ttaatactca aataggagta tcagcggcac gagcctctcc ctagtttcat tatggaaatg   120

cactcaaagg aacttcatat ccatgcttga acatttgtcc caatgttttt aaaaccatgg   180

aaatctggcc acggctcatg taagctttgt acattatcca taatgttttc tttgagcatt   240

taagcttgac attttccatc tcttcaagga cattatgcat ttcgagtaag gtcatctgtg   300

acccatacat gactagctta caatgatata aggatcggca gatactccac ccagagattt   360

ccgcacgtct cacaaaattt tctagctttt ctactgcatt acatcgataa taagttgcaa   420

ttatgcgtct caaaataccc ttggttgtta tagaagtccc atgctcaaat gcctcattta   480

tagcattctc ca                                                       492
```

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<210>     41210
<211>     512
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910007g10d1

<400>     41210
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aaaaaaaata acaagttcct taaactaaac aaaccaaatt gcctcaaaag tcaaagccac    60

atagtttttt tcctcaccaa gtaatgggat caacgaggat taacaagttc atcattcaac   120

agaaacaaac atgacaggta aacaggattg caagggaaaa taaaccactt tgtgccctca   180

tttaaggaga gtcttcacaa ttgatttgac attgagcttc ttgaggtcag tataagactg   240

tccacagccc acaaacatga caggagctcc agatatgtaa accattgaaa gtgcagctcc   300
```

16385

caccttatca tctatggtgt caaatttcgt gagcaagatc ccatcaatca atcttggatt   360

aggtgatgtt gcaaggtcag ctaatttctg attgaacttt gaaagctgat caacagcgtc   420

attaccaacc agtgcttctc caacaaataa gactagatct ggattgttaa ggtagatgag   480

tttttgacagt gctctcataa gtggttcatt at   512

<210>   41211
<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007g11d1

<400>   41211

catggcttca attatcaaat ttaaaattca aatacattac atgctaatgt ggcgacagag   60

ctatattggg tcttaaacgt gctactgtgt agttatcaaa ttaaaatgca gcacagaaaa   120

tacattacat gcccagtagt ggtctccaga gtcaacaggt cagctgtgtt cagatctccc   180

cccaaacaag attatgatga gctacttgga ctttggtgag gtcgaggtga tgaatttgga   240

gatctggatc ttgactggga tctgcaaaat ttagtaatta acaaaactca attcaatatc   300

cacaatgatc cacgatccaa tattccacat caaagttacc ataaccaaaa cgaagaaact   360

aatccaccac aaatcttgag cagcatccaa gtggaaaagc aattgaaccc agtatcacac   420

gtctatagtc tcaaacaagt gtaaaaattc tattgtcaac agcacatga   469

<210>   41212
<211>   329
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007h05d1

<400>   41212

catctccatc tatttccatt tgatgtttgt ctgaagaata agatctccac atttgcagtc   60

caactttttg caaatcatga cttagaattg tataaaactc aagggtggga cccagaccat   120

tgccaacttc accaaaatat tctacttcaa gtacagcttt ttggctagaa tacatctcca   180

taactttgc agcaaaatcc aggacacgat ttctagagac acgaaccttt ggcgctgca   240

atttcccaac tttcacctcc ctctcagttg ttgaaccatg gccatcaaca ccttgctgct   300

gttgaagtcg atacagtgca cgagataac   329

<210>   41213
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007h10d1

<400>   41213

aatacaaatg tttctaacat ttcttcaata acagctttta tcaaacctgc caacaagaag   60

tttcttatca cagaaataca attcaatgct aaagccaaga gtatgaaagc gcccaaccat   120

tttcaagacc aaaggagctg ttacaacaat gttgaaaacc agggccagaa aacctgtggg   180

aactagaaac ccttctgccg cattatccta atctgatttc aaaaattcca acaagaataa   240

acagcattgt cacctcactg ttccttccga gctttagatc tggcaggctt tccaggtttta   300

attactttac caagaagaat cataacaaca ggaacaatag ttccaatgta atacacgctt   360

ccatatgatg caagagtttc atgcagactt aacaccatga aaccaacaca ggagtaattt   420

agaaccaaaa gtgtataagc aaaatttgta aacaccaaca cattcttaac cagagacatt   480

gtcgga   486

<210>   41214
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910007h11a1

<400>   41214

agatcgccga ctctttcaac aataacaatg gccgataacg caacaacgca aggaagcatc   60

accctattgt ctccttacaa gatggccaaa ttcaacctct ctcatagggt ggcgttggct   120

cctatgacaa gatgcagagc gtttaactgg ataccacagg cagcgcttgc tgaatactac   180

gctcaaagat caacaccagg tggattgctc atcagcgaag caccttgat ctcccccact   240

gctcctgggt atccccatgt tcccgggata tattcagatg aacaagtgga ggcgtggcga   300

aacatactgg atgccgtgca tgccaaacgc agcattatct tctgtcaact ttggcatgtt   360

ggccgtgcct ttcatccaga gcatgaacct ggtggagctt caccaatttc gttcaccagc   420

aagcccatat cggcgaggtg gaggattctg cttc   454

<210>   41215
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008a03d1

<400>   41215

gaagaaatcc gttgaaatta tggcgaccaa tttggtttag caaacaaaac atagcacacc   60

agaaaaacat ctcctgctaa tgctatactt gataaactac gggtctaaca cattgatcat   120

tacaaccgga gagtttcaag aactgaaatc agagcataat cttcaaagga aactaattaa   180

actagtaaaa gaaacccagc actttcccac caacattctt tctcctagct tcttcatgat   240

ccatgatgcc agctgaggta gtcaacacaa tatacccaaa ctgtcttgag gggagcagcc   300

tagcagtcca accttcaatc tctttgacac caacatcaaa acgcggacta ataaccccac   360

atttgttcag tctaccattc aattcaacaa caatttttgc agctctgtga tcatcaacgt   420

actcaaactc ttcaatgtac ccatgctttt gcatcaccaa aagggaattt agtatcactt   480

ttgacgatgg cctaatcatg   500

<210>   41216
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008a05d1

<400>   41216

gtcaaaataa gggcttaata ccattgattt caaagtgaag ggcacagttc atgcgaaaag   60

tttgagcagt tattaagctc gatcggcata taattggcta ttctaagttc taacatatat   120

atatagttga gcctttgtca taatatcaca tgtcacatac ttggcagaat catgccagcc   180

taactagtca gatatgaagc atccatggtg ggatgagaga attgccacta gggactgttt   240

gagcctttcc cgtttcttcc accaatgctc ttccttggaa tgtctcacag agagttagag   300

aaggaaccag tctttgtggt ggcggatgga gctgtggaga agttaagtta agggtccatg   360

aatttgggcc tagagttttt gggccaatat gtggaccttt agtcactggt ttcgctttct   420

ccttcaacct tgctagc   437

gggcccaaaa atttggtttt ttaaaagcga accatgcaaa aattggaccc cgaaataaag   60

gggcccttta aaagcaaac ggacccccg aagggaaggc cccaaaactg ggggggctaa   120

ccaaaaaggg aaaaggggggg tttaaaaaac acggggggtt aaaacccttt gaaaaagggg   180

gttttggccc ccgtgatcaa aaacccaatt ggggggggcaa aaggttcaaa aaggggggggg   240

gaactggaaa catgggccga aaaagggggt tcctaaaaac gaaaaccccg ggggaagaaa   300

cccagcttaa tgggccccaa ataaaaggac cccc   334

gggggggggg ccgggccccc ggaccaaaag ccccaacgcc cccccaaaaa tccccaaaaa   60

cccaaaaacc cggggggcccc ccccgcccccc aaaaaatgga ccaaaggccc ccccgtgggg   120

ggggaaaggc cccaaaaaac cccggcccgg ggaacccca ttggggggggg ggggagcccc   180

caaccccccgg cccgggggcc cgggaatccc tggggggggg ccccctgggc cccggggagg   240

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gaaaggggggg cgcattcccc caaatcc   327

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tatttacaaa aggtgcacct attaaaactg ctgaaagaat aatgaaaaca ccgaactcca　　120

agaagacaat aacagaaaat aacaataata ataataataa taatagtaaa agaaagaaaa　　180

agacagtgaa gaattttaca aacacttgct atgcactatt ttctactatg ccttgaggat　　240

ttgattgaga tcttcacaac agaaatatta atgttgcatg tcaataccaa gattggcccc　　300

aggatgattc ttagattagc accacataaa cagaagccta cccaaatgcc tgattctttt　　360

tctttacccg gttccttctc tctagtttct tctaataagc atctttagac caagccaaaa　　420

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tccataagtc acccagttta caaaagtatc tggaaa　　　　　　　　　516

<210>　　　　41220
<211>　　　　537
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: jC-gmro02910008b01a1

<400>　　　　41220

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acatgtatca taatgcagat agagtcatac aagctgattg ccttctcatc atcagattgt　　120

taaaatctgg aaggcaatct tcagaatgaa accatctcta cagaaccatt acaattgttg　　180

ctcactctaa caacataagt actatatttt attaacaagc ttataaaatg aaacttaagt　　240

agtaaggatc ggtggaaggt aatcaacttt gtcgccaaga acacgagcct tggtgtcagg　　300

gaagaattca aatcctggaa gctcagtgac aactccttcg ttggaaaccc aataggata　　360

tcggagcagg tgaccaggaa ggtcatgctc aagtgactca cttgaataga tatcccaata　　420

cttgtcagca atttggttca ccttcttaat acattcttca ttttcagggt ggaggaaaga　　480

gtcatgaagc aagccaaggt gctcatacca caacgacatg cggaaaccat ggatctg　　537

<210>　　　　41221
<211>　　　　453
<212>　　　　DNA
<213>　　　　Glycine max

<223>   Clone ID: jC-gmro02910008b01d1

<400>   41221

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actagccaat caagacacac ccctcttcga gtgagtgatg aaccttgcaa tttgcatcaa   120

cctttttccaa gtttcaaccc caattaaccg aaattgcgga tccaaccagg tgcttcccat 180

cggaccattc tacccttcca aaagcgtttt ctgtatgctg tggcgaaccc gatgacgaaa   240

acgtgacggt gaacgttttc ttctcgttct ccttgaaact caacacttgc ggttcaaccg   300

agattttaac ggacgcagtg tctgacgtca cggaagcttt gtaagttccc gcaggcccca   360

cgttagtgag agtcctcgtg tgcttaacca cgctccctga tgattcaaac aacaccgcaa   420

acgaagggta gttgaggtcg gtcacactgt act   453

<210>   41222
<211>   482
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008b02a1

<400>   41222

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gatagtatta taatgtacat taactagcac ttcaaaaaaa agggtataaa tgacataaaa   120

caggtacaac aaaggcaacc aaccaaaagc ttgactccat ggttggttct gaacgaacta   180

gaacccatcc ttacaaaatg gaagcaccta taatgtatat aattcctgta tctgtaagta   240

gaaattgtac ccaaaaggga tccctatttc atgaattcca aaactttctg tgtaatatct   300

tcaaggaaag aaacaaaacc catcacactg gtaagaccac ttccatcaac atcctgctct   360

tcgatcagaa agttctcaaa aattgaggca tcatcatgcc ctcctcgaat aaaaatgagc   420

ttgggagtga tgcatctctc ttgcttcaat ttgttgattg gagtccttaa caaacaatca   480

tg   482

<210>   41223
<211>   498
<212>   DNA
<213>   Glycine max

                                16391

<223>   Clone ID: jC-gmro02910008b03d1

<400>   41223

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cataagacac acaattctat tgcaaataac agtgtatggt acaaggttag aaaaacaatg   180

acatacgaac catactggaa tgcctaacaa ttttttttaag tgcctattat ctcaagttaa   240

cttaagatca ttccctccca gatgagggcg gaggcaaaca cggacttcat gctcttcagg   300

tcccacgcga tgttttggca ccaggatctc aagcacagat cctggcccat cgtagtatgc   360

ttctatgttg gcgtcttcag gaattcgggt tgaaagaggg atttctcgga cgaactctcc   420

aggagggcag tgctctgacg atggatctgt aagcttgaat gtcctatcat gtctcttgat   480

gagaggcttt cgagatgt                                                  498
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<210>   41224
<211>   494
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008b05d1

<400>   41224

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taatataaac gtacacaaac aaactctaaa cgagtttttt tttttggtg gttgttgttg   120

ttacaaaccc caagcaagtt tgaaaagtgg tacacaataa tgaaataata tatgaggcat   180

ctcagatggc cacactatgc aaaacaacag tttcaatggt aagtccaggt ccaaaaccga   240

acaacacacc ccattcaagt ccttcacctg tggttttatg tccattttca gcagatttcc   300

tcctcatctc atccaagatg aaaagaacac aagcacttga catgttccca tattcactaa   360

gcacatctct agtggccttc atcttctcag gtttgagacc caacttttgc tcaacttggt   420

ccaaaattgc aggcccacca gggtgtgcaa tccaaaagat ggagttgtaa tcagagatgt   480

tcaatggggt tgaa                                                      494
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<210>   41225
<211>   407
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmro02910008b08d1

<400>   41225

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aaaaaacagg agaacttaat cctaatttaa gtgataaaat ctacatttat ggtgaagaca   120

ggaaaagagc aacgcatttt agaccagaga ataacattaa gtcaatcatg ttttagcaac   180

ggccgcttga taaggaataa tataattttc ctccacctgt ataagtatta atagccgttg   240

cagtatgcct tatatatcaa aatttcattc tttttgctgg tccttgatca attatcggat   300

cagcagtagg agcttgcgta tctgctgctt cttgagtctc agtgcctttc tccgattctg   360

cagttggagg tggaacataa ccttctggaa atggtggtgg aggagga   407

<210>   41226
<211>   535
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008b09d1

<400>   41226

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taagtgcaga taataaaatt acaggaagaa gaagaagaaa aataaaagct agccactagt   120

agagatggtg gttttgttgg tccacttgag aaccaaattg gagatatggt cggtggagga   180

accatttgga gagagagcct tagccgcagc ctccttgaga tccttgattc ggtaacgaag   240

cttcttccct tcatggcctt ccatgaggca cttgacaacg ctggctattt cctggctctg   300

gacaagtcca gtgtcctcgg caactttggg cctcagcgcc accttgactt catgcatgag   360

cataaacgcg ttggtcctct gctccgcgaa cagaggccag gctattaaag gcacgccgtt   420

caccacgctc tccagtatag agttccagcc gcaatggctc aagaatcctc ccgttgattg   480

atgggccaga acctgtggct gcggagccca tgacttaacc aaaaagcccc tttct   535

<210>   41227
<211>   232
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008b10d1

<400>   41227

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actaggaata atatagtaat taaaagaaaa attaagaagc tagcatcaga tcatacactt   180

gtgattattt tgaccctcag gaatgttgac tggtggaatc acgtccatcg tc   232

<210>   41228
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008b11d1

<400>   41228

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accctcaaat aaaatctcta aaaacctact cgagtccgag tccgagtcca aacaaattcc   120

atcaagaaaa taacagggaa aaacaaggaa aaaaacagca tctatttaaa gtgtcctgta   180

caaagataat aagataaaca cttcatcaac acatgatatg ccgatttcat gtccaagatt   240

gtgttagtca tgccttccag ccaaaaccca tgttatcatc aagatcactg ttaaggaagg   300

gattatccgt gaattcattg ccaatatcct gaaccacatc ttgcaaatgt agattttgtg   360

gcatctcaga tgttctctgg tttaatccat tgttgccacc agcagcagaa gaatcactat   420

ttgcagttgt tttgaagcta ttattccttg acataggtcc attgtttcct gtaacattgg   480

cagaacctcc act   493

<210>   41229
<211>   542
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008b12d1

<400>   41229

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ggtacagcta aaaagatcac aacacaattg ataaagcaat taaccaagag aaacaaatgc   120

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atgaacaaat atcaagaaac agggaagctc cctcccaaat tcaaccctat acaagatatc    180

ctatgttaca gaatgtgcat tcaatatata tattaatgaa caaaaatatg gttaaattct    240

aaaccccaaa ccaggccacc tctttgcccc ctccttcttt gtcctctttg agccaggatc    300

aataaggttt tccagagatt ttgcttttct gtcccgtgtc ttgcctgctt ctttcagaag    360

ctcggccaga cgacgcttct catcttcaaa atcaggattt gctattccaa gcttttcctc    420

cctcaacttg agcacatatt ctaagatttc aatcgcatct cccactcttc ccatagcatc    480

atatgtagct gcaagattgc tgtacacccc aagagtatcc tgatgacaag ggccacactc    540

ct                                                                   542
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<210>   41230
<211>   408
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008c01a1

<400>   41230

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gatcacaaaa aaaaatctct taatggagag cttgaattgc aatattgaat acaaatccat     60

tttcatttca tttttcacaa aaaagaagg ggcaaaaaat caggaatgat acattttctg    120

tggaacaaat ctgcacaata aaggggaggg ggaaagagaa gggttaaaaa accacccaag    180

aaacaaaaaa aactgtaaca ctgttttga ttaaaagacc atgtaggagc gctatctgag    240

tgttacatgt ttcttgcatc ctctctcgtc atgtaggtat tatcaagaaa aaagagtgct    300

actttcaaac taactccatg aggagtggat ccccttctgc cattattctg ataagcttta    360

taaaggcttg ctcacttgat acactcaatg gatgaacagc agggactt               408
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<210>   41231
<211>   563
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910008c01d1

<400>   41231

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atgttctcgg cattatatac acagtaactc tgatgatcaa accttccaaa catcagaaat    120
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16395

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gactaaaaac tggcagagtt ctccgtgac catgttcaga tatataagca atgaactttc   180

tcaatctaaa agtcataaga tactattaat cctctataat caaaacattt cttcttgttc   240

attaagtatg tgatcagcgt aattaaaatc taactttcat ctaattagag gctgctctga   300

tgaagcagaa ggcatgtctt ctagctgctc cttaatgact atatcttaac ggaggaccaa   360

acaagctcaa taccacaggt agaaacacaa gaccgtgtaa gaagccaatg ataaccaagg   420

ccagatacat ctggaagtaa tacaccacaa aaatttctga tgttgagagg caaaggacga   480

ggactccgac taattntgta agtggtgact tcactgaata cagaagcccc atggacacaa   540

tgctgcattg ctcgttggct cta                                          563


<210>      41232
<211>      498
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008c02a1

<400>      41232

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aatggaccat aatatcgtta catttcattc tcttccacca gttcaaacat gtagaacaaa   120

aatgagactc actcactcac tgaacctgat atgtatgaga caacaacagt tatgttatca   180

agtttgccac cataataaca gaatccagct ttttcagcag cagtagaaaa tggtgtccga   240

ctactcttgg acagtgctcg ctgacgagcc aaagctgcta tcttctgagc agttacttgg   300

ggctctagtc cagccctaat tgcatgttca acaactccag tgatcttact gttgtacaaa   360

ttgtcaaata aaccatctgt tccagaaatg accacatctc ctgaagcaac gggtatggta   420

aaaacctcac cagagctggg tagatcagcg ccattcccac tcttcaactg atatgggaaa   480

ttgaagtcat gctggtga                                                 498


<210>      41233
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008c02d1

<400>      41233
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acatcatctg ctaaatcaac tccacaagga gacttctttg tccttagctc tgcaactacc    180

actccaagct cgatagatat tttgcaagct gagttgcaag tgttgcgttc tattttatga    240

gtatacggat gaacttcgtc caatccaagt tcaacttcat aggttgaacc ccctctacag    300

atcttataag tttttgaaac tcgaaagcct ggacctttgt ggccattcct tgtacctgga    360

actggaaatc tataacccta ccaaaacctg gacaacttat attgctttct cagcatagtg    420

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ttatcaactc                                                            490


<210>     41234
<211>     547
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmro02910008c03d1

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tatagtataa actatgaacg taaaggtggt ataccttgct ccattttctt acagattttt    180

atttttaaa ctcacaattg cataagtaac ctaaaaaatg aaaaagcatt gagaacgttt     240

cagctttggc attgagctga tgcagcaaat ttcagaaaca ttcgacaaaa ttacttgcac    300

aagagctgca cgtttaactt atcctttta atttgaaaga gctataatat aatctgtgag    360

gtcatttgac atgggttgat tcacaatttg gccacttgag gaaggaagct tgggttcacg    420

gagacgacaa ccttcccaac acttttgcct gaatggagat attaacagcg tctgcagcag    480

aatgcaggcc tataaanttc tttggatcaa tagcaacctt taactttccc gaagagtaaa    540

gattaaa                                                               547


<210>     41235
<211>     446
<212>     DNA
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16397

<213>   Glycine max

<223>   Clone ID: jC-gmro02910008c06d1

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cacttctttt tttacccttta taaagaatga aacaaacatt aatactccaa taacacccga   180

tacacaaaca aatacaatac acaacacaat ctagcaatct agctacttct ccatgcccta   240

aaacacaagc aaatcgttct tgatatcata tcccattttc tccaaattac gctgcactgc   300

aaactgaatc atggcgtggt ggcccacatg tcaaagccaa ggaatccctc gacgcttttg   360

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ttgtgatctg caccacgtac catagc   446

<210>   41236
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008c08d1

<400>   41236

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acgtgggcca tcataaccat tagaatataa tgttgaccac caaccttgaa tccttgtcct   180

tgtatactta aattccctcc aagacaagct gggaatgaaa aaactcgcaa atcaccccaa   240

attaacaccc ccacctgaaa actccacctc ctgagcaggt gccaaggatg agacccagtc   300

tgatgtgtgt gtaggaagaa gccccaatgc attgagcttc caaacaccta gtgccaggcc   360

agccaaatta agggctatga ataacaactt atgtccaaga agctccacct tattgtctttt   420

gtagggctca aacatctttc cgac   444

<210>   41237
<211>   460
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008c09d1

<400>   41237

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acattccaaa aattccacag ctactacttt tagtatacaa gggtatatta atcacacttg   120

agacacaggg aaaggggaac acaacaccct tgccaaaaca gaacttcaaa tctattaaaa   180

aaaaaaaaaa aaaagaaatc cccccctccc tgtagttagg ataacaatt ttttaccgcg   240

tatttgaaat tttaagccaa cacagggatt ccatgttctt gagaagatga aggttgtaaa   300

gcacgaatgc gaatatcgta tttcattgga cttgaatttg atgcttcggg gggtggggat   360

gggtctgttc tgtttgatac gaagggaaaa aatgatgaag tgcgatcgtt gtaggcatat   420

ccaatatggt tgcaacactt gcgacaaaaa agcttggttt   460

<210>   41238
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008c10d1

<400>   41238

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agcagcaaac ggaacagttt tttaccgctg gattggaaaa aaaggggggt tacctcgaac   180

ccaacatttt tccaaacacc caaaaagggt tcaacaaaat gtttttcatg agggtttaac   240

tggaacagcc aaagcattca gttgaacggg ttggttaccc ccctgtctg ggggaacaat   300

gaccggagcc tgagccccaa aataagaatg aatggctcct ttttgggaaa ccggtttgga   360

acacactttt tttggtgggc cggtttg   387

<210>   41239
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008c11d1

<400>   41239

16399

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gattttgggc ttccaaccaa atgaggtgct ccaaaccttt ggcatgtacg atggatggat   180

ttaacttagc tggatcaact gaattggaga gagggccctg cattaactta aggacaaatt   240

tagttcttaa aatggcccgc aagccaagtt tgtaaaagaa acttgccttc gggtgacatg   300

gatcattttt gagcttgatc tgaagggcca actgaagtag ctgccacatt ggttgcagac   360

ccattcttaa tcggaggagg acacccccac ttgccttcag attcaagggg gtcaaaaaca   420

tgaac                                                               425


<210>      41240
<211>      473
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008c12d1

<400>      41240

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caacatgaat cattaaaaca aatcacaatt tctctatcaa aactaaatat gctagtcaac   120

tgcgactagg acacttgctt aaccgctgtt gggctaatag tcatcagatt ccacagctaa   180

taagacagat tgatttaaaa ccatctattt tcaaattata tctcaagagt agcacggttg   240

gaagcagcca accgcaaaat actgaagcat ccaagccttg taaggccgta tacaagtaca   300

ttatgggcac cagcggcaac aaataacttt tcactgaata ccaccccaag taaaagcaaa   360

ataaataccc aaatgaatat atgggaaact tgatgctgtc aattatgcct caaagctgcc   420

actccattaa tttgggcagg aattcccgtc ctcaagtcaa aattgttcca aat          473


<210>      41241
<211>      387
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008d01a1

<400>      41241

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aaacaggttg aactttaagg ggccaatgga ggttaaaaca aaccaatttt attttgaagg    120

gtgtttacag accctttaca cattaaattt tttttttaaaa ggtttgggaa aatccaacat    180

tgaacattac aaaaaaatta gctcctgttt aaaaccccccc acgaagacgc aacaccaagg    240

gcaaagttga ctcttttttgg atgttgaata cagggggggt ccttccatcc tttaactgtt    300

tgccaaaaaa aaaaaccctt tgttggtccg ggggggattcc ttccttggcc gggatcttcg    360

cctctacatt ggaaaggggg ggggagc                                       387
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<210>      41242
<211>      380
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008d03a1

<400>      41242
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ctggccacac gtgcatgctc tggcacatgt atgtacatgc gagctgtcat tggtcaaaca    120

caggcgtttg cctcaattct tggcccgaca tctgcttaga tatccagcta tgggagaaag    180

aatgttcatt ttagcttgca gccactctta attgggctta aaattgactg tgctgccgct    240

aaaccagaga cagttgagac agagtgcata ataactgaga agctgctggc tatgcctgaa    300

actgatgtat gtgactgtgg agtcaaaatt tgcaactctt ggcgctgatt cgcttgacac    360

ggatgacagc gagatggcgc                                               380
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<210>      41243
<211>      523
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008d05d1

<400>      41243
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tattttagcg tagccttgta aggagttaca tgcagatgac tagtaagcaa cagaagcgag    120

aggtatagtg ctagtagcaa attttgtgaa agagccctac atgacagcat gcttacaaac    180

tcttcacaag attccaacat ctattttct tattcatcat aatactgaga tatcttctta    240
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tttattgctg cttgcccgta ttgccatgat gcatgaggat cctaagaaca cagcacattg   300

tatccacaga gtagctgaga aatattgaat aatcagcttt catataaaga ccatcaagac   360

agtctgcttg ggtggtagca actagcaatg gtgtttggtt ccttatctca gatgtggctg   420

ttcacgtttg ctgagaaggt aatagttata cttccacatc ataaacatga tcttttactt   480

ctcaacaggc ttttaaacac gctacacaca agctgattga gga   523

<210>   41244
<211>   355
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008d08d1

<400>   41244

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aagaagggtg tcgaaaggaa ataaaaaata cataacatcg acaaccgagt ctagctaagc   180

aatgcgggag ggatggagca aaaagtgagg aagatgctgt ccaaaacga ccactagctc   240

tctaccatgg gtcacttcat ccaaaaccct atttccaacc ctcctagcgg cttcaaccag   300

atgtccccta agccgttgtg aaaacaagca gccacctgtc ttgacacact ctcta   355

<210>   41245
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008d09d1

<400>   41245

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aataaattgg tctataatct tgcattataa aaaaaatatg ataacaaaat tactctgatt   120

tgaaaactaa agtccgcaac cataaaaggt tcacttggta gcagcagcac caccattggc   180

tgacttggaa gaagcttctt cggatgtggt gctgttaagc tcatcccaag cttcaatcca   240

agtcaccatg gcatctgcaa gcttggtgaa gtagggatca acagccccaa gcttctcttt   300

gacttgcttg gagagttcaa tgtagcattt ttggacagaa gtgcattctt ttggaatggt   360

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ggcactttgg aagaatggaa tgatctcttc ttgccagaaa atgcccttgt actccttttt    420

gagattcaca aaaggattgc ttgctttgct gtgccagatg tatggaaggc cagtcttcac    480

tcccaagccc aaatggtcac agataacctt aacacaccat ccagcccaca tatcatc       537


<210>    41246
<211>    538
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmro02910008d10d1

<400>    41246

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atgtagttac atagacacaa ggcaattttc ttaatgcaac aaagagtaat ccaaggaaaa    120

gaaaagaaa gattagatct cagcaggcac acgtttgtac aaatgtgagg ggagcctagg     180

agaagccaaa gcttgtattg gagtcctcat gtatgtgact aaccctggat tctctcccat    240

gtcaatttcc tcaggcttca ttccttcagg tggggtccaa caaaaatggt gcaagaggtg    300

gcccaacatg gatgttacca agttgatacc aagttgggca cccgggcata cccggcgacc    360

cgccccgaat ggaagtagcc taaagtcatg gcccttcatg tccacatcct cctcaaggaa    420

cctctcgggt cggaactcca acggatcctt ccacactgcc gggtcacggg ccacggccca    480

cacattcaca tgcacattgg acccttttgg aatatcatag cctncaactt tgacattg      538


<210>    41247
<211>    576
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmro02910008d11d1

<400>    41247

ctaaaaaaaa accctaagtt gttattgatt gataaaaaaa aaatcaaatt gcaacctaaa     60

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caccatcgat attgcaaaca acataaacta cttattctca gttttatccc cgagactcaa    180

tcccaaacga gagggattga taaacaaacc ttaattaaaa tttccaaaac tcatcacaca    240

ttggtagtga ttgcatatta tttacatata tgatgctgca tattatacct taaggtgtta    300
```

```
tatatatata tatataaaga gagagagaga ctaagactaa acttcagtaa atgcatgttt   360

ggtatcacat cctacatctc caaacaggct ataagaaatc tgaagcaaaa tcacgtgaag   420

gatgacagca atccattcac agtttcatct agggaaacga tgcttggtga gtccaataaa   480

gtaggcttcc ttatccagta ttgctgaaac ctctgccttc catactcctt atagtcaaag   540

tcaattttgt tcacataact cgaaataagt ccccac                             576


<210>      41248
<211>      353
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008e01a1

<400>      41248

aaaaaaaaac ggaatgccca acaataaac cctaaatttt tggggggtgg gggaacagga    60

tacccttttt aaacatgaca ttgccaccca aagctttaga ggggggcccc aattaaaacc   120

ctcccccgaa tcaattttta accggcattt tatcaatatt tgccttccca ttaaaatggc   180

ttaaatttaa caaaattttc ttttaacaat aaaatttaa cccccctgg gccatccaaa     240

cgagtttta ttttttcaac caaaagggg gggctcaaac tcccggatta ttagctggtg      300

gggtgaaaca cccaaaatga aaatttttga tcgcaagaat ttgggttcta agt          353


<210>      41249
<211>      451
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910008e02a1

<400>      41249

ggaatctaaa actcaaattc ccaccactaa atggatttta gcgagttgaa agtattattg    60

tttacaacaa agtgttctct agtttaactg gtttcttgtc taaaccaatc tgttcactga   120

aaaataaagt tattctcgtt agtaaccaat gaagattatt cctgttagtc tgttgacaag   180

gagttaaatt tccaaagaat ttgtaacatc aagatgatta aactatttga tcacaacaca   240

aatatttata atttacaagt aaccagaggc tcatcttcta gttctcaagt ccgtaacatc   300

atatctggat atcatctaat gaaatctcat gcgtcgttat cgtctttaat ttcgtaataa   360
```

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attgtgatgg gtcatcaata cttgatgagc ctagaataat ttccctcttt agctttttcgg   420

taagcttatg gcaaaccota agctcggatc t                                    451
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<210>       41250
<211>       494
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910008e04d1

<400>       41250

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cttaaataac ggaaatttag ttataatcga gacaacaatc aagcacggtg gaagaactaa   120

agtccttatg aaaagagaat aaaagaaaat aatagactta aaaaagcaca ctgcatattc   180

atcaaagcat catcaaagca cactgcatcc taacagcaca cgtacgtaga aaggtgaagt   240

tccaggtctt gcacaacata cacaacacac cataatttat tttatataca atcttatggt   300

gcccaagatg cagatgcatg gactaattaa acaacaacgt tagtctgata ggcagtgtcc   360

atagataaat tgggtaccca taaaatggcc ttgcttccaa ggaaatggca aacagggtta   420

gttccaggat caactcccat gagttcatga agcatgtgat gattcattcc agaagtatct   480

gagtggcaac agca                                                      494
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<210>       41251
<211>       396
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910008e06d1

<400>       41251

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attatcatcc tttatgaggt tgcctaccct tacactttgg aacctttgaa atcatcaatc   120

acagcttgga acttgttgat gcaacaatcg aacccatact ttgatggatt gagatctcaa   180

accacaaagc catgagtgca agcgacacat ttagttcgct ttaaactaga taactaataa   240

agtatagtct gtagcaataa ataaataagc atactctttt aaatgaatct atacgtgtgg   300

acgctcattc tgatcaaaaa tacgattatg gacagtaggg ttgcaagggt aggcacaatc   360
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tatgtcacgg aagggccttt gatcataaaa ccaatg   396

<210>   41252
<211>   464
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008e07d1

<400>   41252

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tttacattat ttcttttcat cttacatatg tacaattgca agcaatcgca cagcttgaga   120

gtcatacata tttcacctcc tccattcttt tacaacatta tattatatgt tttccaacaa   180

ttaatcacta tttaatttcc cccacattat tgttttccct tttctatttc cactgttaca   240

ttatgtcatg acaacaacaa tagtaataat gaaagcctag aaccaattaa gattcctttg   300

tccctaacta gcccaaagca tgtttaatca ttaatcactt gcacccacca gcaccaaacc   360

caattctgcc acctgcaaca tcatacacaa cctctattgg tctctggtgt acgttcccat   420

atataggaac atcactattg gcaccatttg cgggaaagcc aaac   464

<210>   41253
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008e08d1

<400>   41253

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taaaagtaca ctgcaggcaa atttttcata cacgtttagc atagttcatt ctcccccaat   180

tattctttgt cacaacttta tattatccct ggattgcaac accaagagga gcagcatcca   240

taggtataat cttctcaatt tctacaccct tgttgttgtt ctggttttca taggctgaaa   300

tgtgcactcc aagtgctgct ctaccagaag gatcaaggtt gttagaccaa gcagcatccc   360

actcaacagc tttggctgtg ctacatgcaa cacttgctcc tccaggaacg gtgagcctag   420

ctgagttctg agggaagaac ctctcaaaga tcattctgta gtaatatgct tccttggttt   480

16406

gtggggtgtt gtgaggggag atgttaccag cattaagcat cattttgtca gtcacatg   538

<210>   41254
<211>   520
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008e12d1

<400>   41254

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acaacaaaca cactttacat attcaaagta gactatgcag accaaacggg gagaaatgaa   120

cacaagaaag gagaaaactc aataaagaag gaaaacagcc aaaaaaaaaa aagattctcg   180

taggatatgt agatttggtt gcctatctgt agaccaaagg ctcaaatgga attaacttgc   240

aggagaaatg tcttccaaac tgcaacaaag aatgcaaaag cttaaaaata actcggtcac   300

aatcatgcaa ataatttaat tccagaatac gctacctttt gcccaaacat tcaataatgt   360

caccagtgac tgtggatctt ttcttattcg agaaagcaag tgatgcagcc ttcctcaata   420

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attatggata taagaacata aacggtattt aaatatgggc   520

<210>   41255
<211>   441
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008f01a1

<400>   41255

gaacaccaaa ggcaaacatt ttcttttata aataaaaata cgtcacattg ttttactctt   60

ttactactac gaggtaatcc accgacggtg agtacacatc acaaattttc tcttttacta   120

atacaagata ggggtagtac atcaacaatg agtaactaaa taacccatca acatttgagt   180

aactacgtct caacaatgcg accttctctt aattttctta tctacattcc cgtctaattc   240

ctatgctacc tgtcgtaagg gcattcgaga tcattttcag tgaccttaaa atgctgagga   300

cgttgaccag agcaatgcag attccacatt ttaaaatatg atctctcaag attcctcacc   360

cagcgggcag tgtcaaatag agggcaagtc aaacgtacag ctttaagctt attagtaaga   420

gctttaagct tcggccgatt c   441

<210>   41256
<211>   373
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008f01d1

<400>   41256

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catatatata ctattacatg catgaatttg aagtggtgga tcaccttaat tggtggtgtt   120

ataaatggtg catggttatt cataatatgt aaagaggtag atagcagtta ccgattgtgg   180

ggtctttaac caaaaaagtt gccaggggga tcaaagatgc aagtgaagaa agagcctccg   240

ttatcacaag gaactttggc acatccaaga cgcaccgagt tagcccaaac gacctgtggg   300

tagcgcaggg ccttttattc aacacaagag ttagaaccct tgtcattatc ggatttctct   360

attaacccac att   373

<210>   41257
<211>   434
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008f02a1

<400>   41257

agaacataag aaaggaatgg agataattag gtgtgcagga tacaaattaa tagatgacac   60

tacaacttat gtaagatgat atgagcacca aattttggat taagagtgag cacagtgact   120

ggagcatgtg cataggtagg agaaagctca aatgagaagc gttgtaagag taatgacaaa   180

accaacttcg cttctaataa agcaaaattt tggcctaagc acactctagg accccatcca   240

aatgggaaaa acacaacttg ccttttgtt gcctttgcta ctccttcagc aaatctttct   300

gggttgaact ctgtagcatc atcaccccaa atatcacgat cctggtgaat caatagtatt   360

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atcgctcgag caaa   434

16408

<210>   41258
<211>   465
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008f03d1

<400>   41258

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attctctttt tctttacacc tcatctgcag ataatagcta tgtctctaat aaacttcctg   120

cctttaccat ttatcaaaat cttagtataa aaaaattata attaaatttt ttgcaatata   180

tgaaggagac tatagcatag tacagcatca gcgaggaaca acggtgggaa tgacatcact   240

gacaagatca cttcctgaaa catatgagga catgtgttgc tcctcccttg tcacatttga   300

tgttgatgtt gttgcagatg atggggggtgc tatgttacca gaattgagta agctaacatc   360

tgagaaaaga gtttcaggtt caggcaacat tgtaatgata tcttccagtt ctctcaccac   420

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<210>   41259
<211>   553
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910008f05d1

<400>   41259

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aatgtaacat gaatacacta aaataacacc tgaaatgaaa ggcaaacaca acttcaattc   120

taaccaaata aactcaacaa aagcattaca taaattagtc aaacagactg aaacccatgt   180

catcatcaga ttcttcagct ggttcttcct tcttttcctc ttccttggct gcagcaggag   240

caccagactc agcagcagga gcagcaacag cagcgacagc aaatttactt ggatccttca   300

gatactcctt gaccttgtct gcctcaggga aagaataatc tgtctcaacc gcaacagcaa   360

gaacattctt gtaggcattg acaaacatgt gtggtgcagc agcaagtgtt gggtatgaga   420

tagctaatga aagtgaagta accattgaga caccagcagc aaacttctca ataaggtcat   480

cctcagntag atcaagaacc tcanggctga acactgaacc attatcataa acagaaagaa   540

ccacaagccc ata   553

<210>   41260
<211>   263
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008f08d1

<400>   41260

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aaaaaaaaaa agaagaagaa agaaattgac ccaaagaagt ggaattggat gaaaaaaaaa   180

taaaattgtg taatttacgt agttcgacag ggtcgaaggt atggttgttc gaggaagcta   240

aggttggaaa tttttgatca tgt   263

<210>   41261
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008f09d1

<400>   41261

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tgcccaaatg gccaatcct ccactccaga cataaaattg agaagaaaaa tgtgctccat   120

agcaaaaaca gctcgcgctc aaattattaa aattccaaaa aaaaaaaaaa cattaaccaa   180

accccatttc ttttacacgc aggcaaggga taggaattaa aacaagttcc ctgaccaagc   240

tgatgacttg agtttgaaag cctttcaatc tggtatttaa tcttaatcaa cgggaaagga   300

gagaaaaaaa aaacattaaa atgaaaaaac ctgatgaaaa taaacaaaat caaaagccat   360

agactgctga tactagtaac gcttcccaag aattatgcca aagacaatgg acacaagagc   420

tactcccaag atgaacttga aatt   444

<210>   41262
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910008f11d1

<400>   41262

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tgattcaaag ttggcacttt ctgtgaaagt gtctagctcc gactccgatg atgttgggca   120

ttgggattgc ttatattttg gaaagttttg aaggcttatt ggagcgaagg ctttttcttg   180

aacataactt ataacttgca tgatttggtg gaaaagatac aaaattcaag caaagtacat   240

atttctttat ttttatgtat ggacagtgaa actactggaa atcgaggtca tatttcataa   300

gtcattccaa ccttgagaag tctgttgcgt tggattgcca tggaattctg gccttgtcta   360

aagttctttc tgaagaagct ataaacatag ttgacaacaa tcttattcaa gatggaggaa   420

gatgggtgag caactacctc tgcttctgct agcatataga cgacgccctt ctccaatgct   480

ntgtctatga atttgatttc gtcttcagct cc   512

<210>   41263
<211>   322
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008f12d1

<400>   41263

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aaaaaaccaa aggggggaaat ctctggccgt accaaacgga aaagccgtgg ggcacaccct   120

tctaatcgcc gatggacaaa accccctctta cacctccccc tttcgcccct aagagagaat   180

gcccaaacgg ccttcccaaa cggactcccc cctaaatggc aaatgaaaaa cgccctgtgt   240

aggggcatca aacacggcga ctgtggcggt tgcccgcacc ctaaccccca aaattgacag   300

ttccataccc cccggccctg ta   322

<210>   41264
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g01a1

<400>   41264

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gtccactcat catgatcgag gtcctttttc acattccgtt actaatttac tggattaagg   120

tgaggtcggt gacctaagac ttaagaggga ctacaatagt gctttgttat gtacaaacca   180

aatgcctaat aaagaataaa attattgtat tggctttttg acaactcctt ccacaattcc   240

ctttgttgta ccctattcga taaaaaagcc aaattctttt taagttctaa tgacaggacc   300

cttgtaaatc cctctacgga tcacaaagtc atctggaggt tgaaattctt ccaaccagga   360

cacatcagaa actgtaactc cattcaactg aagattacct ggaagatctt tactctgcga   420

tttccggaag taagtgcagt gtcttccatg ttctgaggaa taaagcggag accacaca   478

<210>   41265
<211>   396
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g01d1

<400>   41265

aaaaaaacta tatcatagtt tcacccttga aaaagaaat aagtataaca agtctttttt   60

tttttatgct aagaatgaaa gaaagaaaaa agaaaaagga aaatatgaag gaaactaaaa   120

cactgtatca accagaaggt ggtggctggc tactggtatc cgaccatgtg gacgttggaa   180

actccggcac gccgccagcg ggattgcggc tttccggtgg ctggaaatag cccatttgtt   240

gacttgaaaa caaggggaaa gaagcagagg ttgtgaataa tgggaatggt gctggagaca   300

cagaagaaga aaatgaagga gatgatgata gcattgaagg tgattgaagt gaagcaaatt   360

gtgcattata gtacaactgc tgaagcaaac tagatg   396

<210>   41266
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g02d1

<400>   41266

aacgtaaaat acagaaaatg ttcaatgcga aaaggacact agtttcgttt acccttacaa   60

gttacaattg ctcaatacat tgtctagaat gaaaaaacag gagaacttaa tcctatttca   120

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gtgataatat ctacatttat ggtgaagaca ggaaaagagc aacgcatttt agaccagaga    180

ataacattaa gttaatcatg ttttagcaac ggccgcttgt taaggaataa tataattttc    240

ctccacctgt ataagtatta atagccgttg cagtatgcct tttatatcaa aatttcattc    300

ttttttgctgg tccttgatca attatcggat cagcagtagg agcttgcgtt tctgctgctt    360

cttgagtttc agtgcctttc tccgtttctg cagttggagg tggaacataa cc            412
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<210>   41267
<211>   485
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910008g04d1

<400>   41267

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gaaggaaagc atatttaata aagtatttga actgtttaaa gtatgacagg agaactgaac     60

accttaaata cttaaaatgg aaaatcaaga agaaaaaaat ttaaaaacac gggatatata    120

tggcaatggc acaataacaa aacactctag gaagcagcct tggtctcctc agcagctgtc    180

tcaaaatcct ggcctggaac aagctctggg acatcgtcat catcattctc ctcttgggcg    240

gtggttgaac cagtggctcc ttcaggagcc tgcttctgga attgctcggc cagcttcttc    300

aggttttcca agttatctgg tcctaattgg tggataatgc tagggagtat atcctgcaac    360

ttctttgttt gtggagaacc actgacaacc caagtattag cagcaatgga tgctcgaact    420

ttgggattta gaaactggat aactacggca tccttaaaga tatngacctn ctcatagccg    480

ggatg                                                               485
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<210>   41268
<211>   319
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g05d1

<400>   41268

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atgaaaggat acaaagttat gtatatgcgg gcgtaaagag gtgggatatt acaacccttt     60

tcattggaag agaacatgta tgcacttgca ccaaaacatg gtgactaggg agtgtgagat    120
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ttgcatgggg agctatatgc tctccatcat gttccctctg aaattatcat ggggaatcca   180

tttgtacttt tgttggaaca ctgtaggcct acgttaaaca agtggcatgc cctgggattt   240

tccagggcag agtttcttac cagtgtcaaa tggggctcat gtaaaaatag accactggat   300

cgtgacgtac cttgccttc   319

<210>   41269
<211>   402
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g06d1

<400>   41269

aaatcaatgg acgctttttt cattatcatt tttcagccaa taatatttca atttgaatac   60

atttgattat ttgttcaact ggccacatca gcattttctt ctggcacatc atggctacat   120

attctctagc tagtataaat aatgtgtgct tattttggag tggtggcgcg cacatatatg   180

catgaaatca tattcagttt tgtctgtgtc gttcattcta tgctgggcac attggacatt   240

ctctgaacca taatttttaca caagtagtca aaaccaaaat ccatatacag tgacacgaac   300

cacaaactga tcatatgatg ctgccattgc atgtatgtag ctctctagtt taccaaatcg   360

agacacatat tacgatgaaa caaacgtacg tctaaacgaa aa   402

<210>   41270
<211>   448
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g07d1

<400>   41270

gacataaatc tacatctatt aaaattagca tatcattgac aaaaacccct taatgcaaaa   60

acacaacttg atataactaa cttccagaaa caaacaaaag gttggactaa tttgttttttc   120

ttctcagact tgttttaatc acgcaacaga gttcacaact aaaacactcg agactcagaa   180

ttgccccaca ccataaatat tgatcggcat ggagactatg atgagttcat gttttacaca   240

aaccttctgg tacatgttta ctctaagaac tcttcttctg aacgatttct tcaataggat   300

ctgcagcatc ctgaaccgta gcgatgctct gtgcactgtc ctcttcaatg gcaataccaa   360

16414

atgcttactg aagtgccatc acgatctgaa ccgtgtcaag ggaatcagca ccaagagttg   420

caaattttga ctccccagtc accacatc   448

<210>   41271
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g08d1

<400>   41271

ctactgttaa tgcggacaaa gttactgtac tttgagtcta actccccatt aaatacatct   60

gcaatgtcaa caataaaaag caaatcttgt ttagttgcaa ggattagatg tgtgatcact   120

tggtcagcca aatttgagta aaatgagaag ctgctgcagt tgttgcaaag tatccccgca   180

ttagcatgca gtctgccaat ctcatccagt ccaaaaagca ctgattttga taggccagca   240

ctgccaacta acgctacact catccaaggg caagctgcag aaaaaccttg atgttcttgt   300

tctagagatc ctctactaat cccaattttt gatacatact cttggatttc cccctagaa   360

aactgaatat atgcagagtg tttactagca ggattggaag cgatgccaat aaccagctct   420

ttaagggtat ttcgatttga aactgctgca tgccagcctg agcatgtcag caatcctgga   480

acaagatcct cagaacattc aagttccact tcctgcaaat aga   523

<210>   41272
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910008g11a1

<400>   41272

cggctcgaga aaaaatccat ttggaaaaag gaaagataat cttcctgttg ctgttcctag   60

tgcaaatgga gctccaccaa caatgactta tcagtagctt gaaggggatg tactctgttc   120

tttatgctcc gacaaatatt actacataat aggatgcatc ttgctgctgt cacatgcatc   180

cattgatcat caagtcatcg ccattagcat ccttgctcat gtgaatgaat gcagtggcat   240

catatacata catttggcta tgttatacta gtcggacatg catatcttgg cagcatgtgt   300

tggttcctgg attactttca taggcgttta gatttgatgc atgggtctaa attttgttac   360

16415

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aattgtgtgc tttatgtcat atactttctg tttacattgg cattaggaat gttattcana   420

cagattttgg cttctatttt gcaactntag gttcatttgg tgctaatttg acatgaca     478
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<210>   41273
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008g12d1

<400>   41273

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aacaatagaa tagatgtaga agctgttgaa atgagatgaa agttcgaggg acaaagaaca    60

aggcaaatac tgctattcac caatattcct aattttgtac aaatgttttt tcttttaaaa   120

tcaaatacat agaaaataat ggaagtttta acaacggctt aacgataaga ggaacaaatc   180

atgacgaaca atcttgatat gaaagcaatg tgaaaagcta gttttagatg ccactgagac   240

acatgaactt ctaagacccc aaatacttcg tctctctcta agtcgagcag caaccagcct   300

tctggttcac tggctgtcct cgaatttgaa ctgttggagg cctcgcattg ttcactggct   360

ggcttgccat tctgttttta atttcagcag ccatggccat gaaagcctgt tcaacattgg   420

tggcattttt agcactagtt tccatgaagg gaattccaat ttcatctgca aaagcctttg   480

ctgtctcata ggacac                                                   496
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<210>   41274
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008h01a1

<400>   41274

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aacgatgtaa aagtttatta gttattttag gagaaagaga gcacatcccg ccagagagat    60

gcgcgcacaa agcccccaag aactgtttta tttggtgata aataataac acacaaacca    120

aggtatacaa caataagacg aataggaatc acgaaattta aaagcagttg atgatgaatt   180

aattaagggc aaaacacaag cctataatca gatcctccca tgcaagtgaa catgctgctt   240

gcgtcatcca tagggtaact aaaggcatct ggacacctct ccttgaagaa cttggaataa   300

tcagtgggac cgcaacccgc agcaccggtg ctacaacagt actgagtcgt attgaaaacc   360
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```
gtgcacgggt tgttgcagcc gccgggaacc tgaagctgag tgggacactt tccgatgatg    420

tcggcggcgc atttcacgga gctgcagttg taggtcgggc tcacctgtca gggaatgt      478
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<210>   41275
<211>   333
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008h02d1

<400>   41275

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gaactcaatc gtttactaga aacctgtcaa ttggtcatag catttgaaaa ctaaaactac     60

gacctcagaa caatcaaagt catgactaca tgtatcgaac gcgggactaa aacgtcccca    120

atggggggcct atatatccat tagaaaatta ttacgaccta acgccttaaa taatccaacc    180

tagctggatg cttacgcttc atgagagctt gggaatgaaa aaactcgcca atcaccccaa    240

atgtacaccc gcacctgaaa actcctccta ctgagcaggc gcccttgatg agacccagac    300

tgatgtgtgt gtacgatgaa ccccattgc att                                   333
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<210>   41276
<211>   416
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910008h04d1

<400>   41276

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agagaatact aatatttgtt taatattgaa gggcgtactg gtttgatgcc ataaacttt      60

cactttctca agaggcgact tatacctggc acctatgcag ctaaatcatg ctggctttct    120

gtcgtgtcct ggacttaaat ttgcaacttg cctgtccttt tgctaaacag ggaggctaga    180

tcttttgagc tttagctgaa acgctggctc tgaaaaggac atctactgag catgaaataa    240

cgtctactga agctcaacat ccatggcaaa tgcaccacct gctccattgc taggccacca    300

atttcgtact gatccattct tctgcttcag taccccaaaa tgcgtgacct gaatgcgagc    360

accaatgcaa ccgatatgat gacccagtgc aacagttcca ccatgtacgt tcactt        416
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<210>   41277
<211>   450

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008h08d1

<400> 41277

agggggcgtga ttgatcattt tacaagacta acaaaaaaaa tgatgttgca taatatagag   60

gaaaaaatgc gatgccatgc gcccacccctt ttatatttat acaactttca acccctaaa   120

actgcagcta ttagcctatt agaatgatta attttttgctt cttttttttt ggtacaagtt   180

cttacttctt taacttacaa aaaagagatg aatgcattttt tcggtaaaga gttggcctga   240

caaaccaatt gtagcagctg ccgaaaattc ttccgagtcc acaggaagct tgcaacaata   300

tatatacata ttcaaatttt taaaccaaca tctgaggtac cctaaggaag ccgagggaca   360

aagaatataa aacaactgag attgttgttg ctgtaattaa attgtgtaca agacgtttgt   420

cgtctttgct gggtacaaat gccattttca   450

<210> 41278
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910008h09d1

<400> 41278

gcagcgataa atcatgctta cttgcattag ggagggtagt caaagcgtca agcaaacgcg   60

ggggaaaaat caacagggat tggcacgatc taaataagga aacaaactat gaaatccaca   120

atctatgaaa ctacaatcta gcagtagcag ttgtcccaaa caggatgtcc tacgtaacaa   180

gaacaagaac taggtctcta atgtggcttc tgcatttgga tttcccgtta aaaacatcag   240

cagtagaaat cagtagcgat caagtgatga acgagaaccc ctgcttgggc ggtcatatgg   300

accaggtcta cccctataac tccttccttc atctcgacct cccattccac ttccatacct   360

atcagcacct cctcgtggac cactgtaccg gtcataccct tttttcttgc cataaccatt   420

ttgtgggtag tctgagccag cgccatatcg atcacttgca aatcgatctc cactggttg   479

<210> 41279
<211> 509
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmro02910008h10d1

<400>   41279

agcatgaatc cttttctttt tttctctcgt ttatcaatca atggaataga atcgaatagt   60

gaggaaatca caggctgtat gttatacttt atatcatagc agttaaatac agagtcaggt   120

aatgagaggt atctgaaaca aatactaata agcaatctca tagaacatca ttacgcaacc   180

gaaaaaggca aaaagtgaaa tccagaaata taaaagaaaa aaaaaaaaac agggttaatt   240

gaaaaactga aaattaaaaa tcaaatccac cagcatcatc aaagccagca tcatagcccg   300

catcatattc agcagcatca gataccatgt ctccgatcaa cattccaccc aaggcaccac   360

caagcaatcc tgctcccaat cccattccaa atttgttctt ctttggtttc tgagcctgag   420

gtgggtaccc atatccggat tgttgtggat atccataacc cgactgttgt gggtatccat   480

aaccggtctg aggtgggtac ccatatgct   509

<210>   41280
<211>   526
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910008h11a1

<400>   41280

ctcgagcgac gcattgggct cttcgaattc ggttcccgat ttccgacgag ttctatcatt   60

cggttcaatc ttcggaaatg cctctcagac tcgaaatcaa gcgaaagctt gcgcaaagat   120

cagagagagt aaaggctggg gatctacatg caacagaacc atggattcta gcaagtttgt   180

actctggaac tgtctgtatc tggaactacc aatctcagac catggccaag tcttttgagg   240

ttactgagtt accagttagg tcagccaagt ttattgcacg caaacagtgg gttgttgcag   300

gggcagatga tatgtttatt cgtgtatata attacaacac aatggataaa gttaaagtat   360

ttgaggcaca tacagattac attaggtgtg tggcagttca tcctaccctt acatatgtgt   420

tgtcatcatc tgatgacatg ctcataaagc tttgngattg ggaaaagggc tggatctgta   480

cccagatatt tgagggacat tctcattatg tcatgcaagt gacatt   526

<210>   41281

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<211>        439
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910008h11d1

<400>        41281

agaaaataaa gcaacccaaa attcattatt ttaacctcat cttacacaac aagtttacag    60

gaaacgtttt gcgagaatta ttccacgatt ggtcaagcaa caaaacgttg caaaattccc   120

agccaaattg ccgtacaaaa ttatggaaaa ataggggatg agttctgaga gtgggtcact   180

gattcactac tgaaaatggg cgtgattttt ataaattcct ctttatttcc caaatataca   240

gcctatttgg tggaaagttt ttgataccct taaaaaacaa aacttgaatt gcttgggact   300

cggggtagca attatatgaa aacgggagtt agatatggca cttgaaaaac aaccaaccac   360

ccgggacaaa acttcaattt tcacacgggc ccaaccaaat actttttagg tgacggggggt   420

ccttcattac ttataccct                                                439


<210>        41282
<211>        413
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910008h12d1

<400>        41282

ggggtattaa ttatcctagc ataaaactga attcataaaa atgttctgaa ctcaaaatcg    60

aaaaaacaat ggctaaaaca taggaaaac aaagagtcct aacttaggac atgtagaaca   120

actattttaa ccatgaagga ttgggtttgc aaaaatcaag agttcctctt agatgatccc   180

aatcttgtta gctacatcca aggcatcata gtctggagtc aacctaacat aggctttttt   240

tgttccatca ggcctgatta aaggattcac ttttttcgcc tgaatggcat acattttttt   300

cacaggattt ttaatctttt ttttggcagc acgggggtca acaataaaaa ccaggggggt   360

ggtatcctca attttttttta ttgccgactc agttgttaga ggaaatttaa gtt         413


<210>        41283
<211>        471
<212>        DNA
<213>        Glycine max
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<242>

<223>   Clone ID: jC-gmro02910009a10d1

<400>   41283

gaaaaaaaaa ttataccatg catttaaaac attagtttgt accgcttgga caatagatat   60

tggtaagcat attaagatga aatgccaaaa cggaagcaat aaactgaata tgaaattctg   120

ctcctcgcat ggaaaacaca agaccagtct tctcggaata tgaacttgtc tcttcagtat   180

tacgtccaga tggtattctt cccaacagga gctgagcact atgtcctctc ttaacacaaa   240

tcccaatctc caagaactag ggaatagggt gcttatatca gcactgttct tctaatgttc   300

ctctcaactg aatattaagt aagaagctat tttttttcagc taaataaatg ttgagttgct   360

gtcgtcagat ccacatattg gtctttcaaa ctccaagaca tgctaaataa gagtgtgttt   420

gtaaagtttg ctgcagtttt ttatataatc caactttcaa tctctgaagc t   471

<210>   41284
<211>   59
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910009a11d1

<400>   41284

ncgggctcgt tcccagtgca acatanatga ttgacgcagc gcacgccgtc ctgaagcgt   59

<210>   41285
<211>   428
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009b10d1

<400>   41285

gaaaaaaaac cagggtatcc cttgcggggg gcccaaaacc cagcccggga cccagacggg   60

cgaaatttcc gcccccccca cgggacaaaa caaaaaggtt cccccgattt ccccaaggga   120

aaagcccccc gatgcctaaa aaaccgctta ttccggggggg cccttcccaa aaccagggcc   180

caacccctgt ttttgagggg ggggggggg atgccaactg ggggaaaccc ccccaccggg   240

gccgctccct aggaggggcc ccccccaaaa aaccctgggg cccccccggc cggggctttg   300

ggggaaaaga aggcggcccc caaaccccca ccggggggaaa gccccctccc cggggggggga   360

16421

aaggggggcca aggggcccac aaacccaaaa atatcggggg ggggggggcc ccacaaagga   420

cccggggg   428

<210>   41286
<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009b11d1

<400>   41286

gagatgcact tttgtattgt agataacaca ggcacaaagt tagtaaaaca atgattttcg   60

gaccatgctt gcaaccccaa caattttaat aagagcctaa aactcaagtc aacataagat   120

cattccctcc aagatgaggg cgaaggcaaa cacgaacttc atgctcttct gatcccacac   180

gaagttttgg caccatgatc tcaagcactg atcctggccc atcatagtat gcttctatat   240

tggcatcttc aggaattcga gttgaaagag ggatttcacg aacaaactca ccaggtgggc   300

agtgttcgga tgacggatct gtaagtttga atgtcctgtc atgtctcttg atatatggct   360

tcccagatgg gctcacacaa gaaaccttaa tgataccatg aataagagta ttcctccaag   420

aaactttcac acttgaaaga tccacacacg gaagacttat aacaatcat   469

<210>   41287
<211>   572
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910009c10d1

<400>   41287

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ttgtgaaaat ctttaatatc ccacaacctg ctccacttcc atggcttcct aggtgatttt   120

tctctaacaa tatactttcc caaatcgcac aacaagtcat gcattccaat ttcctcatcc   180

atggttataa gtgatttatc aacgagaact tgtaggtcat attcgggatt aaatccacga   240

aaatctagaa cttccttcac atattccaca tcatcatcgt tgaagaaaca tgcaatatct   300

agaaatattt ccttgtgtgt atcctctaat tgatcaaaac ttattcgcaa cacattcata   360

16422

atactttttac ttttattttc tcttaacgaa accaatgcac tcctccaatg agagaaatct   420

ttatcaaaca aatatgagcc tattacttca attgctaagg gatgaccttg acaatgtgat   480

agtacatcag aagtcaactt ttcaaaatca ctcataatat aattattntt gaatgctttt   540

tgcanaacaa ttgaagagca tcattgtcat tc   572

<210>   41288
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910009c12d1

<400>   41288

gaactgataa aggaaacact tttattaaga cttcaaatca cagcattcaa gataatacaa   60

tacgcaacat tttttagaaa gccttataac tataaactat aaaagctttg cccagatgaa   120

gttacactgc aggcaaattt ttcattcaca tttagcttag ttatcttcat tggcgcccaa   180

attattcttt gtcacatctt tgtattagcc ctggatggca acaccaaggg gagcagcatc   240

cataggtatt atcttctcaa tttctacacc cttgttgttc tggttttcat aggctgaaat   300

gtgcacttca agtgctgttc taccagaggg atcaaggttg ttagaccaag caggatccca   360

ctcaacagct ttggctgtgc tacatgcaac acttgctcct ccaggaacag tgagcctagc   420

tgagttctga gggaagaacc tctcaaagat cattctgtag taatatgctt ccttggttnt   480

tggggtgttg aggggggtaat gttaccagca ttaagcatcn atttttcagt cacat   535

<210>   41289
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009d10d1

<400>   41289

aatggtgata ataacaattt tacatcattt tttcaaggat ttgacacaag agcttacagt   60

gtaggtgaaa aacaagacta caagtgaagg aaacttccaa tgtgatgtat aatgaaacta   120

cttccaatgt acaacttaac ccacttttca gcgcagagtt cccacaggtc tcttatatgt   180

atacaacata gacaccacaa ggaatgctat caagttcact acacttagca atgccaatag   240

16423

ccagaagaaa taatctatgt gaccaaagtt tagattatca ggtatccacc ctggacttcc   300

attcctagtg ctgatctttg tcacaattgt cacaagcaga gagctcaagt actgtccaag   360

cgcaacagtg gtaagtgaga gagcagaaca aaagcttcgc atagcatcag gggcttgctc   420

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ttgaggaac   489

<210>   41290
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910009d11d1

<400>   41290

agaaagaaaa aaacagattt taccactctt gattcaaaag tttttgtctt ccaaaagaaa   60

acagaaaata ttaccataaa atgtcattta agaacaaaa ggaaatgaaa actacaaata   120

tagtagtgag aataacttat tcctctaagt aacatgcatt catgtcggcc agaatccgta   180

aagccttggt aggattcatc gtattgaatt ttcaactaaa gcttgactac cacgttctct   240

gcatggaggc ttcattggat tatatatatg gcggatataa ttatatattc ttatcaattg   300

agacccctgc taacaacaaa ttctcaactc atggctcatg gaatggtaaa acttgcccag   360

tagaaaaggg tagcagcccc cccatctttc agcaaaagaa acgaactagg cgcaccctaa   420

aacttgaagg ctctcttctt tgacttgccc tccttttctt gcataattct tttcctcttc   480

ttctcgntct ctgcaaccat gtcactgaaa tcttcacgct gacta   525

<210>   41291
<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009d12d1

<400>   41291

gcaacaccaa taatatactg aaactgtata tatacataag tccgttagta cagtgaaaag   60

ccagggggcat caacagtttc tttaatcgat tccgtcacag ataaagtgaa acaagagaaa   120

16424

aaactctata gacagacaag ttgtaagagc taggaagttt gaggttcaca tggagcttcg   180

gttgcatagg gtgtaaccag agatgagtga gctgatagca aaggcaacga aagcgaggaa   240

ggccattcca atagaagcag tggccatttc tgtgaactca tctttccccc aattcgatat   300

ccaatcgtca acccgtgttg ctgcagatga tgatgccgat atcagaagat atgccagaac   360

ctgatccatg aagaaatcaa agtggttgcg aaggtggtga ctgattaagc gtttccccgt   420

ggcaatttga catgtcagat cacatgcttg taatgcagag tatgcaaatc caataacatt   480

cacagataaa caataccta   499

<210>   41292
<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009e10d1

<400>   41292

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tatcattctt tcaaagattc cagtaattaa ctggacctga tagtatatct cattattgcg   120

tatattatac cacgaagccc ctgacaaacg agatgaaaca aacggtaatt tgaggggaaa   180

aattatgcta attcaattca accttgacaa agaaaaatta aatactgtga ttctattaaa   240

aaaaaaaaat caaactctac aacagatggc ataaaaaaac caactgaatg ttgaacttga   300

catatctagc caggagcaag ctgcattcat atcaaactaa tggacattga tccattgaca   360

aaacctgtct tttaaccaga cgcattcttc cttgcagcat ataccctata agctgccagc   420

ccaactacga ccactgcagc tccaactgaa acagccataa gagatcgatt aataagcct   479

<210>   41293
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009f10d1

<400>   41293

aaactaaggt aagggttaat aaaattttaa aaacagggca taaatggtac agatgttaaa   60

acttaaaagc tttgctagag tacatttgtt gaaaagcctg agaactgaga agagggattt   120

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tttataaaaa aaaaaaaaaa ttcccttgaa acaatgaaat ttgacggcat ctaaaaagag   180

aagaaatttg tcagataaat aacactttttt tccacttcct tgggatattt atatcaattg   240

gggacaaaat taaaaaatag cattttcgtg gggggggaaa ataatgaata attaactcac   300

caaaaaaaaa aatgaatatt tcaacctgac cgataatgca aaaggagaaa caccccccgcc   360

ccccccacac aaaaacaaaa actcttgctc ttaaattctg attttcttaaa tattttgcat   420

gccataagcc tccgcgccta ctaaattctc ccccttttttc attcttttttt cttttaac     478
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<210>      41294
<211>      505
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910009f11d1

<400>      41294
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ccttcatgag tacaaaccga aataaaacca acaattaatc ttgttttatt acaacacaca    60

agcttgacat ttcagtacaa tagtttatttt tcaagcaatg agattctaaa accagaacca   120

caaacgaaac accgttgaga ttctcaacga gttcactcct gatcaagcag agatatcaga   180

gactaaaagt tggcaaagtt cttttctttc aaagtttcca ctgtctctct aagactcact   240

tccaaaggaa taaattcaat ccccaaggtc tttgcctttt ctttggaaac ctgaaatgtt   300

gggacataag gcttatcgtc tgcagacttt tctggaattt gatatgtcgg gtactgatca   360

cgtaaaatcc tggcgagttc agagtagtgt gccactctct caactaaaca atatcttcca   420

ctagctgaag cgatctcata tgcctgaata tgggcgtttg caacatcttt cacattgatc   480

catccatatg tatcatttga aaaag                                         505
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<210>      41295
<211>      579
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910009f12d1

<400>      41295
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gactcgataa gctagcttca actagattag atggcaacag aaagttgtcc aatacaattc    60

ccaaagtggc tgcacaacca gaaataaaac gagaaataaa ggatccaaaa aaatcaaata   120
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catgccaaat ttctaacaac cagaccttca cagagtctta ggcagtattt gccaatgaca   180

attaatatga ctaccaagta aacacctatt tttccctaat aacctatagg cttcaacaaa   240

aagaaaactt agtaacaaaa caccatccgc agccaccaac aattcatctt cacaaacaca   300

gaacgcacca actcaagcac gctcaccacg aatccttctt gccagctgaa tatccttggg   360

cataatagtc acacgcttgg cgaatggcac acaagttagt gtcctcaaag agcccaacaa   420

ggtatgcctc agcagcctct tgcaatgcaa gcacagcatg gctctggaaa cgcagatcag   480

tcttgaaatc ctgggcaatt tcacgaacca acctctggaa aggaagcttc ctgattagga   540

gctcagtgct cttctggatt tctaatctca cgaagagca                          579
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<210>      41296
<211>      532
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910009g12d1

<400>      41296

attcttgaaa ttttggtctt tattcaaact caattgcatt aatgcaatct acgtagctat    60

ccaatgtaac tgacctcatt gggataaagc ttttagttac ttgtataata ggcaaaatcg   120

gaatgattgt catgaaaata aattgccgat gttgtatgca acttttgagt tgaccaattc   180

atactcatca accaactcaa gaatcattaa ctgattaatt tcacaagtaa actcaaacac   240

tagacagtaa cagatcaaat atatattgaa agatcccaaa aaacaatatg aattgccacc   300

gtcaaaacaa ggacctcata ttatgcctaa gcttgtgctt caagctccaa gagtagagtg   360

tgagtaatta cttcagatcc tgggccagag aattgaattg gacctggact gatgtagcaa   420

ttcttcaggg cccattcatt acgcaaggag gcaaactttt tgaagggtgc cccttcaagc   480

tccaccattg ctttcttgat cacgggcttg aattaccatg cctcctttca ca           532
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<210>      41297
<211>      354
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910009h09d1

<400>      41297
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accatgcaac aaattatcca tgtcaacatt tcttaatgaa caaaacacgg ccatccaaac    60

actcaaatgc taagagtgaa tctgcaagtg aaacaaatta tacaagtagt atacactagc   120

atctatggtt gqtatgatca aacattgaat ttaaccatgt ggcagtgcaa aactaaattg   180

tcaaatagtt attacaagtt cacaaaattc tttgatctat gttgcttctt cacttagaat   240

cccaaattcc caatcgaagg atatttaacc tttttcttat tcatgacatg gaatgctctc   300

aaccaaaacc agaagggcaa aaaaaatcaa aagttctaga taagcttttt agct          354
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<210>   41298
<211>   539
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009h11d1

<400>   41298

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agttaaataa atctcaagat ttcgacatta tcaaacggag acttccgttc caactagtac    60

agtatagtgg gtacaaaatt gactgcttta ttaagctttt ctcgtaaact gtgatgctca   120

agcacacagt aataactgct ggaaattgac aaagatgaat aaggggataa ccttcccaaa   180

agaaggcaag caaaaaataa aagggcaaat ttggtagtgc ccattagtac aaatcctgtt   240

tcaggttttg gtcaaaaatt atttttaaga gcctcaacaa ggaaacccct cctctcaagg   300

ggccatgagc ccatcaattg tgtaggaaag agacttagcc caatcagctc taagcagtaa   360

tgtctgcaga gtattcatca catcataccc aggatcaagc ttgcgctgcc aaccctcaag   420

aaccaaggtg gtcaccaaga cagtacaaac attgccatca acgttaactt tatgacgcct   480

aactttctca agcaattgct ccatgcactc ggcaggatgg accaggtcac cttttggag    539
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<210>   41299
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910009h12d1

<400>   41299

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caaaaaagat tatgttcttt ttattggcat aaaaaaaatc cttttggttt ataataaaac    60

aggaaaaaaa tggaaccatc accttaaatt tcacagtaaa gagaacgtta aaactaaaac   120
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tccccaatta tgtttacata ttaaaaaagg cctttttctt ttttaaaaaa aggcccccca    180

tttgccaacc attctatata ccccccttagg cttactctct tgcgccacat gacctgcccc    240

cttcacaagg gcgaaagtta ggggaaactc actttttttg gattcctcgg catatcaata    300

aaaaagaaat cgcatgtttg tgtttgtaaa attatgaagg tattgaacca cccttggaac    360

gtcccatgtt tatgcagccc tgccattgca tcgatggaag ggatcttttg ttccctctct    420

aacttgaaga gccttctgaa catgtggatc atttgcccat aattct                   466
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<210>   41300
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010a02d1

<400>   41300

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gccttcgaaa ctgctcataa ttatctgttg catataaaaa agtattacag tctaaattaa     60

aaattttaac caaccaaata tctaggaagt ccaacatcaa gaagggctac attattgata    120

tttaaatagc atcctgatat tagcctttgt cagccttgct accctcaatt catgatgact    180

tggtagattc cctaaccaaa gggttggttg ggtgcgtcag gttgagattt ttgaatcttt    240

tggaggtgtg ttagcatact tccatgaaaa gtgatccaat ccattgtagt atctaccacc    300

tgctacatca ccaatgggaa ccgcctcaga aatttctctc aggtcttttt ctgacagttt    360

cactgctaag gcacctatgt tttgatccag gttcttaatc ttagttgttc cagggatagg    420

tacaacatcc tcgccttgct gaagtaccca tgctaatgcc aactgggcag gagtggcctg    480

atgcttctt                                                            489
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<210>   41301
<211>   347
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010a03d1

<400>   41301 ·

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ggcttgggta ttagacttta aattttgaaa tttgaaatca agttcacatc cccacaaaac     60

aactgggtta cacatataat ggccccatgc attccattta tttaatatag tatataggaa    120
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16429

ttgactttg catgaagcac aattgaaaaa attatttatc caacctaggc ccgagcaaga   180

ggttcgcgat tgggattcta ttgtgttccc acctaactat tgctgaacca aaattgcttt   240

tgaagggagt ccataccttt tttgcccact tgaaaagctt tggcaaaaac ttcatcaaag   300

attggaggtt tagatccaaa cacaatattt gcatgggtaa taactcc   347

<210>   41302
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010a10a1

<400>   41302

cctcgggga ttccaattcc acattttcaa tttataagta ggcaaaaatg ttcatatatg   60

aattggaatt atgttgtttt cttattaggc ctatcctgaa gccaaggaa atgagatcgg   120

aattcctcgg ggaattccaa ttccacattt tcaagaaata aggaggcaaa aatgttcata   180

tatgaattgg aattatttgt tttcttatta ggcctatcct gaagccaaag gaaatgagat   240

cggaattcct cggggaattc caattccaca ttttcaagaa ataaggaggc aaaaatgttc   300

atatatgaat tggaattatt tgttttctta ttaggcctat cctgaagcca aggaaatga   360

gatcggaatt cctcgggggt accgagctcg aatt   394

<210>   41303
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010b02d1

<400>   41303

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caattctaca tcttattacc acccgaggat gatttccatt caaacctaat aatcactccc   120

caacccttcc cacatcactt ggaaaaacaa ccaaatcata tgatatctca tatatcaaga   180

caccatagac ataacataga ataaataatg agaccaagag taaattatac tgaaaagtag   240

acataaatgc acctagatgg tcattattaa cgagatcctt agttattaac tcgtgcacaa   300

tgtttcctta tctccccttc agttccaagc ttgacattaa ttcgtcccat tttctcgata   360

16430

gacttggcaa attcctcaaa gaatccttga gttgattgaa gttgtctatc gataatagac   420

cttgtgatag gactagtaag aaattcagca tctgactgaa acaagcccct tctcttaaca   480

acttgtttat aaaatccaag atcaaatg   508

<210>   41304
<211>   398
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010b03d1

<400>   41304

atcaagggcg cagtaagacc aactcaaaac atgaccgttc atgaaaacag cgtaggtgcc   60

acacaaaata cagtaagtga aaacccataa atacataagc cattacactg gtgttacatt   120

taataccgat aaatatccaa tggtaaaatg gcctagtctg taaacagact ttggtatcta   180

tcagcacggt taatcatcag ctgcaccgtt ctgggttacg attactcatg ccaccaagca   240

cttaacattg ttcccaaaaa attctacgat ggcatatagg tagaggtatc gatctgctca   300

ggaagttgct ttatatccac ctcaaacctt gactgaacat tgttgagaac atcaacatca   360

gtagaacagg aaacaaatgt gattgcaagg cctttggt   398

<210>   41305
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010c02d1

<400>   41305

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gaaattttca cttttacga accaaagtac ggatgcttta actttattac tcgggagcca   120

agtgccgttc attagtcacg gaagaaaaat ctgcttgccc gaaccgaatt gaagatctgc   180

tgaatatttc tcccaaatgg ctccaagtga tccttcctct acatttctcc caattctttc   240

tggcagtact caacatttaa aatctttctc ctcgagtgat gcataatttc aacataagac   300

taagagatct taaccatatg atgttcctac acacgctggg ccagtctctc ttacacacaa   360

agcttaaaat gtacagcgtg ctaactaatt ctattgtcag atctctcatc taaccagtaa   420

atgtgatttt cccataatcc actttagaag agtcgaagag agcatagtga gtgaaacggt   480

ggcagagagc gc   492

<210>   41306
<211>   420
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010c03d1

<400>   41306

aggaagaaaa cacctcaaat ataatgtttg gaatatcaaa agagatgtcc taaaaagaac   60

aataataatt tcaagcagca agctaagtta tcaaacaatt tcacatggat cccacatgtt   120

tttgaaaacc aaaaacaaaa aacaaaaaac aaaaaaatta cccagttggg aacatagaga   180

gccaaaactt tgattacagt aaatctcatc tcacgttgac gtgcaccatg tcagctataa   240

ctcttatttc caatcaaaaa ctacttccat ggctataaaa tgtagaattt ttatggaaga   300

atacaacttc catctgctac tctcacaggg atgccagggt gttggtataa gatgttgaca   360

ttgcagctag aacttcggta accgacgcca tgacgcttag agcagctttc aaaacctcct   420

<210>   41307
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010d02a1

<400>   41307

gaaaactttt ttgatccagc cacaaagaaa ttgtttcagc aagaatagtg gttctgctac   60

ctgcaagggt gggttgtgac agttctgtta tgagcccatc aagcagatta ttaacacttg   120

tatgaatgat cagaaggata agctgtggcc tatgctgcaa aagcttgctg tcactatgta   180

atctgacgat acggacctca tgggtgaagc cttgatgaag cgtgttatgc aaacctggct   240

ttcagcaagt cgtgctctat tggaaatgat gatatttgat gtaccctctt catcaacagc   300

ccataagtat tgtgtggaga acttgtatga ggggactctt gatgatcaat atgcttctgc   360

tatcacaaat tgtgattctg atggatgttt gatgctctat gtgtccaaga tgattccagt   420

atgtgatgag gggagattct ttgtcttatg ccgggtattc tctggcaggg taacaactgg   480

ttgaaggtg aggattatgg ga   502

<210>   41308
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910010d02d1

<400>   41308

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aacagattta caacattcac gggcaaaacc tcagacaaaa cttacagaaa ttaaatctaa   120

agtagcattg ttcacaagag aaaataaatt cgactaagtt caaagtaaaa taattcatga   180

aacaaatctt aaagcttggc ttcaaactcg agagaggag tcatctgttc cttcaagccc   240

ttcctcttgc gaatgtaagt gacaagctgt gcagcttggg atccagcctt caatgggtca   300

aaagacatca tgttccaatg atcaaacaca cattgttgga aggcctggcc tgatgttgca   360

accccaaatg tgctcgagaa accaaag   387

<210>   41309
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910010d03d1

<400>   41309

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gttaatcaca tcattgtaaa aaataaaata caaatgttcg gacgataaat aggacaaaaa   120

tggcaaaaag aattagaact cctaacatgt gaagatttta agacatatcc tataaatcaa   180

gagcacaatt aaagtaccta aaatttaaca ggcagatttg tcaagaaagc caaggtgtaa   240

ggagaggtgg atttgccaaa caaagaacac caacgaggaa gcttctcaag gactcgttcg   300

gttattggtg ttaatctgtc cacatcagtc cttagtttca gaagaggact atcagagtta   360

tgagttgaac ctgacctcca gtaaagagtc agatcaaaca atgttggtgc atttntttcc   420

tccagaaaac tgaataatgt gccaaccatc cacactatct ctttttgtca actgaaatca   480

at   482

16433

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<210>      41310
<211>      507
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910010e02d1

<400>      41310

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caatacaata caatacaata tgtaactatg aactatcaat atatgatcgt tatttatgtc  120

tgtgatacac acaattcagg ccatgatatt cttacgagat ttacagcaac ttctaactta  180

tttaatacat cataccaacc caacaggagc aattttcatc atacaatgac acttatcttt  240

aaactctgaa gcatgacaag gtggtagtca ccagggacca tattcttatg caatttatgc  300

cacaactgga taagacgcac aagttgcaac accacacatg ttcttcccca attccatttt  360

gaagtagcca ttctcacccc aactttctcc ccatgaattt tttatgagcc aatatgggac  420

gccattctca actccatacc ccacagcaag gacggcatgg ttcacatcct gggaagtgct  480

accgcaaatg tcactagtgt aaactcc                                      507


<210>      41311
<211>      472
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910010f02d1

<400>      41311

cataagcatt gtcactgcca tcataacagc actcacacgc atacataaca taattaacac   60

catgaacatg cccttctacc caactctaag ctacttgcat agtactacat atataatatc  120

cttattgaaa ttaaaaaaaa aacaacagta acatcggaag attaaaaaac atagcctctt  180

aatcctccca tccccatgaa cctgcagtgg tctcggttca ttgaaccagc ccatttaaag  240

gaaaagacct taattatttt ttgcataata tattacagat tttcttcctc gatcatagac  300

aaggggagga aaattcaagg gtcctgatca tggtgcttgt tggcaacatt gcactgcttt  360

ctgacctcac cctttgtgcc agtgagaggg ttgttctctg agagcaaggt aatggctcta  420

gagaactcct tgaagaaata gtcttggctc ttggccattt tcttcacata ag          472
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16434

<210> 41312
<211> 533
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910010g02d1

<400> 41312

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caaattgagc caaatctaat gctctgccga tggatggttt tttatttgaa attttttggtt   120

gttcacaata attactcatt ttaccccact ttcactctgt gctacaacaa tagcaaccga   180

actgtgataa gaggttttgg atcctttctt caagcttcaa cggcattctg atccactctt   240

tctttctttt ctgctaacat ggcagcatgg tgctgtaagt attccttgct gttaatctct   300

gtcagtctac taatggtgcg gtcttttgca aaccccaatt cattgtccac gcaaaggtta   360

gaatcatcat ttttcctcga tcttgaagag gttcggggtg ccatattttt agcctcagat   420

attgttaata ttttttcaaa gagatcttga gggctccctt cagcagtaca taatagtctg   480

gctttgttct catacatcac atcaactaaa gtgacaaacc tatgtgcagc tga           533
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<210> 41313
<211> 536
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910010h02d1

<400> 41313

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tggatatgtc aattatgtac acatcggaaa ggagatttgt tcaacattct gatagtcatg   120

actcaaggac ataatttaca tgacatgtac accaactgtg tgatgtgaca atcaacgatt   180

atacgcagaa aaataacaga aaagtattgg tgatttggat caatgaaaag caacaatgga   240

caatatgccc gtgttatacc cgaacatgca gctaaaatct tagtcaatgg ctggagctac   300

caagatcaaa gtccatggta taatcatact caattgttgg aattacagaa gccataaatt   360

ttaggaataa-aaataggtac ttgtcaactt caggctcaac tccgtgtgac atcaacacat   420

caatgatttt cttcatcact gctccatgtc gacatggatg aatagatgca tgcttccctg   480
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16435

gcaagtgagg atggtcctca attgttaccg ttttgtgtgc atgatcttga ctaaca   536

<210>   41314
<211>   438
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011a02d1

<400>   41314

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tgatctatgt tgcttcttca cttagaatcc caaattccca atcgaaggat atttaacctt   120

tttcttattc atgacatgga atgctctcaa ccaaaaccag aaggcaaaaa aaaatcaaaa   180

gttctagata agctctttag ctgcagcaac aacagcttcc ttagtgatac caaattcttt   240

gtatattctt ccagctggag cactagctcc aaaacgatca atgcctattg cttttccctt   300

tgctccaaca atttctcccc acccaaatgt tgatcctgcc tcaatgctaa ctctggctga   360

aacagcagca gggaaaacac tcttcttgta ggcttctgag tgctcatcaa aaagttccca   420

agaaacaagg gaaacaac   438

<210>   41315
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011a03d1

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gaatttgttt ttcagaaccc accctcatca cagaaaacaa ataatgtgca ggcaaggaac   180

ggaatatttg aatatgacac aatgatctaa ctatcagcgg ctctaaaaat agtgagcaga   240

gacaggaaga ggttgatgat gtccaaatac aaggagatcg aagcccagat gtattcatcg   300

tacgagtatc tcttgatcag gttgtctgtg tcatagatga tgtagccaca aaatataatg   360

gctgccaagc aaccatagat catcacggac aatttaccca gtggaaacaa acctgaatca   420

gagcaaaga   429

16436

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<210>      41316
<211>      368
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910011a04d1

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tgttattcct ggcagcacca actcggtacc gattccgagt caatccggcc gagtcgtaaa   120

actcgtcaat ctcatcaccg tccccatctc ccacagtcct catcatatgc aacaccttcc   180

tcgccctctc cctcgccctc tccgttcccg tttgttcgat ctccttcaaa acctccacca   240

ctctcgcgtt ctttggccaa accttggaac ctcaggcttt tatgactaac cgcgtacaaa   300

gccgccacgc atttttcccg attcgcctcc gagtccaact cgttccctcg taataacccc   360

accagaat                                                            368


<210>      41317
<211>      429
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910011a05d1

<400>      41317

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atcttacttt gtttttggta caacacacca tgcatattta ttacaacaac aacctacatt   120

tacgatctcc acccagggag gggagaaaca acctactatc ccagtaataa tgatacaata   180

gaagaggatt agaaggaaga tacttcttgg ttcttgccaa agctagcatt catggaaaca   240

tagcagaagc aaaagtcaac taaatgggga aaacacaaca aaaataagac acgacttagt   300

gttttagtgt tattttttaa taaaaataaa attgtatctc gataataata caataagagc   360

cgataataaa tattaatatt aattatcgag ataaaaaaat taatttttat aaaataaaat   420

aacataaaa                                                           429


<210>      41318
<211>      366
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16437

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011a06d1

<400>   41318

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ccctgagaac agtcaatccc cttaaaatgt ccttatcaat agttcaaaag tgtaaccaaa   120

ttgtatggtt gcattcaaag ttcaaattaa acacaccata caaacaaacc aagacctaca   180

tcagtgtgcg ttgccatcac ctttgtcttc agtagactct aatgccggtt tctttggtgt   240

gcttccttct gccggagtgg catttgatgc tcgcttaact cctcttccca ccacaccaag   300

gtgtgtgact ccaccagatc cattggtgtg ggcagttgaa atggttgggg agtcaaaacc   360

ttcact   366

<210>   41319
<211>   251
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011a07d1

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ggggaaaatc acccctcggg gcttttgaca gataaaaact tgagaaaaag tgccttgtct   120

cttggggctc ttttaaaggc ccttgggaaa ctgagccccc ttctggacaa gacgttaaaa   180

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ccgcggcccc c   251

<210>   41320
<211>   485
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910011a08d1

<400>   41320

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16438

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aatcaatgga taatagnnat ccatcggtca acttctcatt catttaagag aaataaaaca    120

aaaactataa tttataatat aaaaatctaa tcccattcaa tatagtcttt taaccgcttt    180

agtttaaaga catgtttaga tctacttggg ccatcctaaa agtaacagtt tgtcccttaa    240

ctgctattgt actatagtac ttagtacgaa aaggaccaag atcttaattg gtcttccaac    300

aattggtcct gatttcgcca ctagagccag taagtgggct aatgtttccc attttaacca    360

ttgcattggc aaagtcagtg ttgaagcttg aagggtcgct ggcataacca tttacttgag    420

agtctgtgga tcctccattg aaaagcactt gatctgtgtg caagagaccc tttggctctg    480

caaat                                                                485


<210>      41321
<211>      402
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910011a09d1

<400>      41321

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ttatacacaa agaaaccaaa aatatgaaac tgaattaatt aatgataaca ggatagaaac    120

cattcttgct aaggaaatct tagttgccta gacacattgc taatattgac tatttgaaag    180

ttactttggt gtttgagggc gatggggaga gtaatgcaga tgcagatttg tgctgctggt    240

gcttatcatt gacattggtt cttcaatgga atgatttctt tcttgttgat catttgcaga    300

agatgcatca agaagcatgt caactttcac acattcctct ctctcctggc taatttcctt    360

catcattgct accacatctt tcatggttgg tctgtcatct gg                      402


<210>      41322
<211>      521
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910011a11d1

<400>      41322

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atcacgatat cagctgaact aggatacgaa cagaaatcca agcatcaacg ctgtccaact    120
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gataaacata atggacaata ttagactatt actgctacaa gttgatagtt ctaccatcca    180

agaaggaaaa agatgaaaat tacgattctg tgatgttaga aaaaacttct cattcttcat    240

cagagcctga actttctgca gctttgccat gtttattcac ggcgccattg acagcttgtt    300

tcttattttt tgtgttctgg ccatcttctt catcttcact gtactcactc tcatagtcat    360

catcatactc ttcatcctcg ttgtcctcat cctcctcaac tccatcctcc atgataggtc    420

cttcatcagc caaaacagca cccctggtgc cagcccgagt tcgtttcaaa actttgagct    480

ntaaatttgt ccttctgtca cagcccaacc aagaatcaca c                       521
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aatcataaga atatatattg aaagatagga acattaacat atagtaccaa aaattcccag     60

acccaacaaa tataagaggc aaggaataaa tatcagacat aatgggtagg tatccagtac    120

ttggggattg gcactagaaa cccacccaaa aattcgactt tgcaattggg acacctcaaa    180

aacatggaca agaaaaaagg aaagaaccgt ttcattataa aatggcttat ttgttgttgc    240

tatggctgcc tatatgaacc tgtcgtttgt tgatcagact tattaggtag caagatgagg    300

atttcataga gggaaaaata gccgcataat tctgtattat tttcgttcag tctcttgtta    360

acttcaaagc caaaatctgt acatgtcaaa gaggccttaa caaggg                  406
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gaaactgaaa atacatttgc gctttataat attgacaaaa taatttagaa gttttaaaac     60

aaactctgtc gccacttatt gtatggcaca atgataatta tcatcaggta acatatcgga    120

gtaacaaggc tacttcacac attaatgtta catgaaaaca tgaatacaaa atattgctgt    180
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gtgccaaatt tgacatctat gtacagaaca ggagccaagc ttgggaagtc tgttttatac   240

cgcacaatca tttgtagtca cctcaggaaa gaagcaacac taaatggcct caaaatagga   300

gctatgcaat ctgttaattt tctagcacat ttgcagtctc catgaataaa tgacttgaat   360

attcttgacc aaacactttg ggaaaagatg cacagaatct tcttcaaagc ttcatagcat   420

atttggcaat catttagcag aagacatgcg ctgcagagat gacatccagc tacttgaagg   480

gcccatttta c   491

<210>   41325
<211>   536
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910011b07d1

<400>   41325

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cacaacaaca gaaaaagacc acaagaacaa gaatctgaag tagattctag tagtcttcgt   180

cctcatcctg gccctcacca gactcagcac ccacttcttc ataatccttc tcgagggctg   240

caagatcctc acgggcttct gaaaattcac cttcttccat accctcaccc acgtaccaat   300

ggacgaaggc acgcttggca tacatgagat caaacttgtg gtcaatgcga ccaaacacct   360

cagccacact ggtggagttt gaaatcatgc aaactgccct ctgcaccttg gcaagatcac   420

ctccaggaac aacagtaggg ggctggtagt taataccaca cttgaaacca gtagggcacc   480

aatccacaaa ctgaatcgnc ctcttggtct tgatggtggc aacagcagca ttcaca   536

<210>   41326
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011b09d1

<400>   41326

catcatataa aatatatatg ttctgaaaga acacatacaa gtacacaaaa aaaaggggga   60

16441

aattcataaa aaaatacaga aaaaaaaaaa cagaattgag taagagggaa ggaaacatag 120

agaaaatttt agcaatcaga taataagaag ccagtagtag tgcaaaagtc ccttgccaag 180

agtgttggaa cccctttag ttaagcaggt accttctccc ccttgagtgg cttcaccact 240

tcccatgtga agtcagggtc atctctgcca aagtgtccat atgcagcagt cttcaagaac 300

ctgccatttc caccctctt gagatcaagg ttgatggaga tcatgccagg cctgaagtca 360

aaactctcct tcacaatgct gaggatttcc ttgtcaggga tcttcccagt gccataagtg 420

tcaacaaaca cagacaaggg ctcaggcaca ccaatggcat aggaaacttg cacaattgcc 480

ctcctagcaa gtccatttgc aacaat 506

<210>   41327
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011b10d1

<400>   41327

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atattacagc tgtcaaaaaa aacagacttt cacgttgtat cgatcacaat tcacaaaatt 120

tgtcaaaaaa cctacagaat taacatgagg caacttcacg atctacatat tctaatctat 180

gcacgtgtgc aacgtaccct gatcaaccta tatattataa aactaattcc tacctctgat 240

actgtccatg tggagctacg cctaccatgt gttgttacaa cttacaagct acacagaatt 300

atgagaataa aacaatacat gtatcgtttt attcacattt gtttctccaa caaccaaact 360

gtacctcagc aaaaagaccc tgataaatcc caggaaactt gtccaattta catcgtacct 420

gcatgcatac tgcaatcaac tgtcctcttg tcaagctgtg ttgaaacaca ccgcggtcaa 480

tattca 486

<210>   41328
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011b11d1

<400>   41328

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gtcacaagag ataattttat tccaaggaga aaatattʈaa tacaagtggg aattttattg    60

attgatccca ttgatcctct caataacaga gataatcʊct tggctgccaa gcttcccctg   120

accattagcc agcatgctag aaaacaactg tttagacaag gaagcccctg gcaagacaac   180

aagatgagca tcatctcctc cttccacaac atcaacccʊc atccccaaat ccttaacctg   240

atactccgca aaaccccctg gtcgaaaatc cctctcaatc atcctctccc cgaacaattc   300

aagcgccttc gaacccgcag caccgtcttt tatggcttcc acgaactccc tcaggtccag   360

ccccgcacgc ttggcgaaca ccagcccctc gctcagcʊcg atcaagttcg cgccaatcgt   420

gatctggttc gcgatcttgc agctcttgcc gcaccccgcg gggcccatgt aagtggctct   480

tccgaggatc gagaac                                                   496


<210>       41329
<211>       469
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910011b12dⅰ

<400>       41329

aatgtccaaa acattcacat tcattcacat aaaagctggt ccttagttaa ggacacagga    60

aaatgtcaca ccttaaaagg tcaccaccac catgaccata tgagccagtg gccaaattct   120

agaaaactgg tgtggtgttg atggttaaag taattaaagt aaaattcaaa tcaaagacag   180

ctactacaat ttcccagttc ttgaacaatg gcttccatgc ttggcctctc aaatggagac   240

tcatgggagc aaagtaaggc cattctcgct agtttggccg cctcgtattc aaagaacttg   300

ccatgcaagt tcggatcaat aaattctggg aacttgaagg actcagcagc aaggcgcatt   360

gcgcttgtga tcttctgctt ccccgtgagg atctggaʊaa gaagcacccc aaacgcataa   420

acgtcacttt tctctgtgaa ccgcccagta gtggtgtaʈt ctggagcta                469


<210>       41330
<211>       329
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910011c04dⅰ

<400>       41330
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ccagggccaa aaaccggttt ttttctttaa aggggctgga aaaaaacctc tggggaaggt    60

tggggccccc aaattgcccc ccccccccctt taccaatggc tttttacccc ccccccccct   120

caaacccaaa aaggtctctt tttttggatt ttttaaccac ccccccccaa ccaaaacccc   180

aaaaacccc ccttttaccc cccccccccc ttctttttttt ttttccccaa tttacccccc   240

gaaaaggtaa ccccccccct cctccccccc attaaaaaaa tccccccccca agtttttttt   300

tacccctttaa aaaaaaaaa actttctttt                                    329
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<210>   41331
<211>   377
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011c05d1

<400>   41331

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gacttgaaac atgtttataa tgttttcata tcaagaatat cattcagcat aagagtacat    60

gataatgaac actgttcaca aacaagtcaa cggtaccaat tgacaaaggc atctttgacc   120

tatcgtaagc atgagaaaca aggcacagag tatatcataa cggtattctt agtagggaaa   180

gctttggggg tttcccacct tttttttgaa aatccatggg ggaaaacttg aagggattaa   240

cgagcacccg gctttaaaca agttctaccc aatccaaggg ttaatgaaca tgcccccaaa   300

acaattccca tggacatcaa tgaatgaggg aaatgatgca ggggcacgct aagaacatgg   360

aaacagtcgc acgggaa                                                  377
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<210>   41332
<211>   499
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910011c07d1

<400>   41332

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agtgtttaaa tacaaagaag caaggaagaa gcaactttat gctctcaatg gaagaatcat   120

agaactctag tgttgtagga accacaacta gggcatttgt ggtagagcca gtggaagggg   180

gtctctcctt tcttttcaca atcattacat aataaaacct gagttggact agaaatctca   240
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16444

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tcaaaaattc ttttttcagc caacaacgca tctaacatcc taaaatatac ctgcatgtct    300

ccaagtgact tgctacatat tgggcaggta taattaaagc aggtatattc ctgaaaacat    360

gttgagtgca ttacatgacc acatgggagg gcttttaccg gagagcagga tgtgaagata    420

tattcatgac aaattggaca ngtgtcctct aaatgtttct ccctgcatgt atgtgtcata    480

agagaacgag acatacaag                                                 499


<210>      41333
<211>      392
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910011c09d1

<400>      41333

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ttcccttcaa aggatcataa cttacatttt taacaccaac aggcatcatt ttgctttaag    120

catgaactta ttcggaataa ttttaaaata ccacaaaatg gtccagggaa aattcccacg    180

gtccgtcaat ttgtagctga aaacgttgtt cgatactcaa gctcagcgaa cttgctgatt    240

ctctatagta tgtatcgggt tcatatcatc agaccagtgt ttgaatgtct tcagccttag    300

aacatctttg atgctgcatg ggtttgagga aatatacttt ctacctcatt gggtatgaaa    360

caaatgccac tggcatctta tttgtctact ac                                 392


<210>      41334
<211>      442
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910011c10d1

<400>      41334

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tatttgaaag acgattgata atacttaata tcttacaata ttcacatgtc gcaaataatt    120

gcttaggggg gccacgttac ttactgttat tggcttcgct attggggggc tgatactatt    180

tatactactg gactattatt tttaattgca taaatagttg ggttggttgg gaatgtacat    240

ttttgtacaa cgtcaatttt caagctccaa ccagagcaca agcgagtacg gcctccaatt    300
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cactctttga acgtgtcatc gttggatcac caccgtccat ttcgtttgcc catatttctg    360

ggatcacttg tgccaagtta tgtacactct tcacagcata ggcagctcct ttgcttttca    420

ttggcttccc aaccagaaca gt                                             442


<210>     41335
<211>     296
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910011c11d1

<400>     41335

gggggaaaaa cccccaccc  aatttttttt tttttccccc cccaaaaaac ccaatttttg     60

gccaaaccaa atttaacccc ctttaaaaaa agggtgccct ttttttttttg ggcccaattc    120

cgggctttct tcccccgggt tggaaaataa taatttttttt atagggccc ccaaaataaa    180

ttaactggcc cggtgtttac aaccgtggga atgggaaaaa cctgggggta cccaaattaa    240

atgccttgga gaaaaaccc  cttttccag  gtggggtaaa aaaaaaaagg gccccc        296


<210>     41336
<211>     572
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910011c12d1

<400>     41336

aaaccataaa cagtttataa aacttcgtta taaattaaat gcgacttaaa acatccctca     60

gcagcaaagg aaatggacta aaaccctata gctgcttgtg aaattcgaaa tatctcagac    120

tcttcttacc atcaaaacaa aaaacagtac tcatcaaaaa caaacagcaa tgaaaattga    180

ccaccgccga tcaagaacct agttttgaaa gttacggcta catgaaatcg gcagaaactt    240

aaaaatataa cttaaacaaa acacctaaga ctctgcaagg ataaaactac tataaaggag    300

taaccacgat gatgatcaca tgtgctagca aaattgccca aatgcaatca cttcttcttg    360

gcagcggcct tggtgacctt ggctccggtg gggtctttct tctcaacact cttgatgact    420

ccgacagcca cagtttgacg catgtccctc acagcaaaac gaccaagggg aggatactca    480

gagaaagttt caaccaccat gggcttggtt ggaatcatct taaccatacc tgcatcacca    540
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ttcttcaaaa attggggctc ttctcaagct cc                                   572


<210>      41337
<211>      417
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910011d02d1

<400>      41337

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gcgcctgagt atgaaaggtg cttcatgctt ggaataagct tttacaacta tagtccatat     120

aataacaata catcaccata taggactctc tttctatgaa attccctata tttaggggca     180

caattaatta gcgtgggtaa acaaaaaaca gaaattacat aaacagtgaa ccaaaataag     240

ttaaaataac tgtagagaga gatagaaata gctagtatag gcaacgatat ctacaccgtc     300

tctgcctctt ttcgcacgtt ttactaattt tacacgtaaa atatagagag atagagattg     360

aggcaacaac actgatcttc caattccatc aaacttcgca actcaccctc tcctctg       417


<210>      41338
<211>      364
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910011d03d1

<400>      41338

ctaaaccgaa gttgtcaaga aaaagttgac atcatctcat gcataaaggg ttcccaccaa      60

tctgtgcaaa tctggataat catgtgagaa aagcaagaag ccacagaatc caggttttaa     120

atttcatact gagctcgatc accatagttt atttttgatc cagaaaagta cgaagacaac     180

tccaaaaaca atagcaacag gggcccactt ccgaatcaga gcctgccggt ttaaatctct     240

agccttatca gcatatatgc gagattctga tgataagcga ctggacattt ggctgacctg     300

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ttca                                                                  364


<210>      41339
<211>      530
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011d04d1

<400>   41339

aacttaaact atgtattaaa ttaaataaaa tcaacaacac taagtaaatg ggatacaata   60

caatacaacc ttacaaatac aaacaataaa tgcctaatta ctagtaattc ctaatattat   120

cggttggttg cctgactagt gtgactactg cctagcacta gcactaacta aatatcatac   180

aaaaaccgaa ccggttcaaa ccgggtttgt attcctaaac tgcaaatttt tccctagact   240

ctaataaaat atcagcaggt gggaaccatt tgagtctggg ccaagccggt atccggttca   300

gccacctctt tcctcttccg aatctctaac actttacggt gactattgga gtgaatatcg   360

ctgcagaagg tgggactaca cgccggtcta tactccgaaa ataaccgacc cgacttgtac   420

cgaaccccgc acgcgttgca aaaggttttg gcgcccagtg ggccggtcct ccacttgggc   480

gtcttctgca cctggcagtg actgcaccgc cgctgaatct ggactccaac   530

<210>   41340
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011d07d1

<400>   41340

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tgattagggt agctacaagg atcaaacaat gtcgtcacca gctaattgat acctttgata   120

ttgacttaga tcataacttg aaaatcgata agttttatgc acccaacatt cataatccat   180

gac   183

<210>   41341
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011d08d1

<400>   41341

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16448

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ttttcttcaa ttcatgaatg tcatatagca tcgtgagcaa tcagcctttt cattatcaca    180

gattgactgc tcacgatgtt atatcatcca taagtttcct tccatgctgt taaaatccac    240

ttccatatgc tggtgcccag taatcagctc cattttcatt tccaacatgt tgggtacaag    300

acacaggaac caagcacagt cctctactct tcaagtcgct tggcttatct tttgcatcct    360

ggtttggagc tccctttctt ttcaggccat tgtcattcaa cagctgaccg gggtcctcag    420

gaaatacaga atttctttct ccgtgtacct gttgagactg tggattcctc atgttttttg    480

atc                                                                  483


<210>     41342
<211>     419
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910011d09d1

<400>     41342

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tacagattga gacaagctac aaagtcaagg agggggggct gaacttttg ccgttggacc     120

tctcttccaa gacccaatct gcactactgc agaatttgaa aatctaacct aagagaaaca     180

aaaacaatta tgaaacaaac atttgattcc attgtggctt caacatgaac tggttagtca     240

aaacttgaag agcgactcca tcttccttgc aaatagtcct ccagagagac actctgctca     300

gtgctactga tagaaaccgt atcatcctcc aagtctagta aagcaaggtt caggtgggac     360

tgaatgttag ttggaactgg ttcctcatca catccatcaa gttcctgtgg agcattaac     419


<210>     41343
<211>     509
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmro02910011d10d1

<400>     41343

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tactgtattg aactgaaatc catgacctgt ggaccccaat gtcacatcag agtctaaatt    120
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actacgagca tacttgtgtg actccatagg ctcccaaact ttctttgatt gaggcaaatc    180

cctgctggaa tagttccctg agatgactct gcctttggtt cttccattac tctcatgcat    240

gaagtctaca tgattatact tgctaccacg ataaaattgc ttagatgtat ctactgtgga    300

ttcagactta ctagcaggtt ttgtctccca actaactcta ttggttctat tattcgggct    360

acaattgcat gaatggaaat catatctgtc gttcatccag ctgttggaac cataaaacct    420

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cctgttcaac ccattgattc ccctggaag                                      509
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<210>   41344
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011d11d1

<400>   41344

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gcaccacttc ttccaagggc cgcccaaaaa aaaaaagggg cccccaccccc ccacaacccg   120

gggaaaaaag aaggagggga ccctttcggc ctaccccccc caaaaaaaag ggggggggggt   180

ctccccccccc cgggggggcg cccaaaaaat ccccaaaaa ggggtcgcaa ccccccaaaa   240

aaacaagaaa aaaaaaagg gggaaattcc cctcagaccc ccccccccc aaaacaccgc   300

caagaaggaa aaattttttt caaaaaccccc cctttactt aaccccccc              350
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<210>   41345
<211>   201
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011e02d1

<400>   41345

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aaaagaccca tgggggaccc ggtatgctct cttacccaac gataaggacc tgcttaatag   120

aactgaccta tatttacatt atacaatact ttatttatat ccactcgcgg gacctgctat   180

acttttaaaa attaaaaccc c                                             201
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<210>   41346
<211>   432
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011e03d1

<400>   41346

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aatgttgaag caaattcaga actataatct attatattgg catctgaata gatttacagc   120

aaaattgtct catgaggaaa aaatatcaaa ttcctcaata atcagcatca tgtagaaatc   180

aaattagtgt acaacatatg aagagtaagg gcaaaactgt gagaccaata tttctgtctg   240

ccaacatgat tatgaggctg cagcagatga tctttgtgtc ttcaatccaa acagattctc   300

aaacaacttt cggagccatg ggaggaacat tggcaggtag tggggcccta aaatttacta   360

atttttcggg aacattatac cttatctttc gactttttga ggcgcgacga tcaacaattt   420

ttctttttctt tg   432

<210>   41347
<211>   434
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011e04d1

<400>   41347

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ggtacaagta catacaatca ccatgtgaca gaatatatat acctctcaat taccaaacat   180

gtaccagaca atgtagactg cagcagagcc taaaatatgt taaatgatgg tttgttggta   240

gaatcaactg agaaagaaac atagcaacat tgtatgttaa aaatgctcta aaatcctatt   300

acatcagaga tgcactacgg ttacaattta gtcatacaaa agctgagtaa caacaattgc   360

ctactcccat gatactgata atgaaaatag gaaaagaaaa gaaaaacaag ggaaatatcc   420

ctcaacatca ttgt   434

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<210>       41348
<211>       265
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910011e09d1

<400>       41348

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aggctagctg tttgcgatat tagacacctt agtacagaac acgacccaaa tttgggaatg      180

ccggggaagg ccccacaaga aaatttatta gcctcattaa aaaaacagga ctaaggggcc      240

taaagataag agctattaaa acctc                                           265


<210>       41349
<211>       410
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910011e10d1

<400>       41349

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ccattttcga tccaggtgtt cttcctgggt gcattagcta aggggcagaa aaacatgttt      120

gtcagacagc taggttatcc tacgtatcct aattattgtt tgtattaagg caaggaaaaa      180

taaaatacta gcttggatca ctaaagcgac cagattggaa gaaacgccaa attgaagaat      240

tctaatgctg caaaatgact ccaagacatt aaatccataa ttgaaacttt acaataaaag      300

gttttttgttt cctcctcaaa gttgaggcag atgtggtctc ttttccaaca tttcataatg      360

aagaacaaaa ttatcctttc ggacggtttc aaatatgctt ggatcgaaac                 410


<210>       41350
<211>       517
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910011e12d1

<400>       41350

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tgtacaattg caagcaatcg cacggcttga gagtcatata ttcacccctc cattcttctt　120

catgctacaa actatattat atttaattcc cacatttttg ttttcctttt ttttctattg　180

ccactgttac gtacactttg caataaaagg aacaacaata attatgaaag cctagagcca　240

attaagattg attttctct aactagccca aagcatatgt ttaatcttaa tcacttgcag　300

ccaccagcac caaacccaat tcttccacca ccaacatcat acacaacctc tattgttttc　360

tgctgcacgt tcccatatat agtaacatca ctatcgtcac catttgcagc aaaagccaag　420

caaacttgct tggcactggc cacgtagagt atcccttgcg gcggaagctg caccgtgacg　480

ccgccggcga aggaaaaatc tatcttggga atagaaa　517

<210>　41351
<211>　425
<212>　DNA
<213>　Glycine max

<223>　Clone ID: jC-gmro02910011f02d1

<400>　41351

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caacagagta ctaaaaacag atatttatag aggtaaaaca aggtgactga ctagaggcat　120

ttggcctcga tctcctctag tgtaagcccc ttggtttctg gtttaccaaa gttttaatt　180

ccaaaaaagc cccgggtttt acacaaaatg ggtaaaacaa aaattccact tccaaaaatg　240

gcctccaggg ggaaaaagga aaagtgacca gggcatttgc cccaaaattg acgagtacag　300

ctatacttag tccttgacct cttaagcgca aggggaaaat ctctgctatc attaaccaac　360

caattggacc aaaggaaatc tgataactgc caacgtacaa cagcagacca attacagcaa　420

caact　425

<210>　41352
<211>　522
<212>　DNA
<213>　Glycine max

<223>　Clone ID: jC-gmro02910011f03d1

<400>　41352

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tgttggttgt aggaattagg attaaacact cctgtcacaa actatatttc taatgttgaa   120

actgtacaaa tcgcgaataa atagaagcaa ccagctaccg ctaaagctta aaattaaaac   180

catagccttt ataaaaggta gagtgaagaa agaatttaca caaaatagaa ttcacttttc   240

atgactgtct tcagaagaat ctatcttaat tatgagaggt tggttaagat ctgctgatgg   300

ttcagcaaca ataggtaaat ctggcgagga agtaatccca tcaatatctt cattttcggc   360

caaggcttta tctaaagcag ccttggcaac tctagtaaca catatcatca gaacaaccga   420

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tgtaacatca gaaagatctt taagagttgt tccaacatat ac   522

<210>   41353
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011f04d1

<400>   41353

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gtttcctaaa aactcaactg taaaaccagt aaaaatgtaa caaggaattt tcatcctcaa   120

tgaccaatag aattttgaa aaagaaaatc acatttcttc aacaaacgac agtcataact   180

cttcctcgta gtagccatct agttccttgg tttattgata caatagctga atagcaatgg   240

atttccttgt agcaggccat actagattat taagaccaaa gttaagaatc agcgccagtg   300

agtgctatca attcaacctg caaacttggt ttatatctga ttcaatgttt agcattgacc   360

atgtttctga tgacatattg taagatgcct ccatggttga agtaagctag ttcaacctct   420

gtatcaaatc tcagtgtaga tacaaatgat ttcccggcat ctgtcaccac tgtgacatct   480

tggcccggtc gtatttcatt caca   504

<210>   41354
<211>   339
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011f08d1

<400>   41354

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aaaacttgag ctaactaggt ttacaaactt aacttcacaa acttttattc aaacatacac    120

tgactcttta acgcaaacct taattagtta cacctagatt gaaagagtca agcataaaaa    180

aaaggtatga attcaaagcc ttgtttcaca aaagcttcag tcacccataa cttcaagttg    240

ggcaggttaa tttctggctc agggcctttc gcattcaatg aaaatgtaag tagaaaactg    300

cgatcagaaa ttgtggtcaa gtttgaattc tgaacattg                          339
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<210>   41355
<211>   281
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011f09d1

<400>   41355

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gaaaaaaagg acggacaaat atctactata acaatcaata acaagtacat tagcaagtat     60

tcaagccaag tacatcagcg agtatataaa aatccaaaaa ctcgatcccc ctccacaaga    120

gaaaacatca aaagtccaaa aaagagctaa tgctcctcca acaagtaaca ccactggttt    180

cagaaaccga tttattcaga cctctcattt tttgctcgag caagacactt aatcgcagct    240

aaacataaac atacgcggat aatgtgaaga caagctactt t                        281
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<210>   41356
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011f11d1

<400>   41356

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tcatacagta caaggaattg tctgcgtctc tgaacctttc tttgaggttc atcatacatt    120

acaaaaagaa aactgaagta aaatagttca tagtctaggt ataaacagta tataataaat    180

tacacgaacc aaaaagaatc ctttagaaaa tatagtgaaa aagaatcgta ggaaatgtcg    240

tcgtgatggc aacaagcacc cccctcaat tttgagggca ctaatgaaag gtggcacaaa    300

taaggccctt tcaaaatcct ctagccacaa ctctatgttt tattaatatc ttcgtcaccc    360
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ccacggcttg cattcagata tcatcaccat acatcgcgca aatatctgcc agtagtttgt   420

agattcttta ccatgctctc agccttggaa ctatcg   456

<210>   41357
<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011f12d1

<400>   41357

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tagatgctca tgaatctctt attctattcc tatatgctat acataaacat atcagtgata   180

tttttattgt aacgttctgg tgttgtaaat tgaaagttga acaaggact aactcttgtc   240

aagctttaga atgctgtagt tctagtctct aatcttagtg cactaaaatt agcagatgct   300

catgattttc ttattctatg cccctatgct atacataaac atatcagtga tatttttatg   360

tgtaacgttc tagtgttctt ctgcttccaa atataaaagt tctttgacaa aaaagactga   420

tggaatgagt cattagccga aaatccgatg cttccagggc tcagcaacac gtccattgga   480

aaaggttctt   490

<210>   41358
<211>   159
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011g01a1

<400>   41358

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atggactcct taagcgcctg aggagggcat gattttaccg ctaaagatgc caaaggaaat   120

gatcttaaac cttggtgact acaaaggaaa ggtccttat   159

<210>   41359
<211>   297
<212>   DNA
<213>   Glycine max

16456

<223>   Clone ID: jC-gmro02910011g02d1

<400>   41359

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gtatataata tatccataaa aaataggccc atacaggtaa atgaattcgg tggacaccaa   120

aatcacagaa atgtaacttt ttttatgata atcactatca tatcaacccc atttatttct   180

gaagtaaatg acagattata ggggttgcta aacaaatcta aatacagaaa agaatgtgaa   240

acatattaca ctccaagtgg aagacaaacc ccaatcatat ttacacaagt taaacac   297

<210>   41360
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011g06d1

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tagaaagtat aaacacatct tacaggctaa gaataaattg ggagaacaaa ttaggcatag   120

ttacatttcc aacgttgttg aaatcaggtg gcacggtgag ctctcaaaag aaactaacag   180

cttcaaccta ctaccccatt cagctgcatt tgatagtttt cctacacaaa ccactatgat   240

gcccacttat attaccagaa tatattggtt tctcaccatt ttttcctacc cctctttatg   300

tacaaacatg aaaaagcaag aagccgaagt ggataaaatg tacagcaaaa tctttccca   360

cttcaatata gctttgcaag aacgtatcaa ttatggttag tgccgatatg attctcacac   420

attcatagac aaagattggg catgttcctt atcagtatta tgactaccac t   471

<210>   41361
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011g07d1

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taaaaaccaa ttaagcatat aataaatata aacagaaact gactcaaaaa tccctctggg   120

16457

agaaaagata ctagactatc gttctcctaa ctcgaggcac ctaattcttg gccacaacaa   180

gaaaatcgaa taaaaggaaa aaaatcaaac caatcagaac ctacaaagtt ccaataccat   240

ccgccaattg cataaaaaag tctggcttcc aaggggacct aacggagaaa cttataacat   300

actcaactta caaatccatt cattaaacta gatatatcta ttaaaaaccc aaagcttcaa   360

atatcaaata agtcaaccaa acttgactga aatatggcac aggactgggt gcatgaagaa   420

cttgatcacc atccagctct tgacccaact tagaagcact tccgatgaac gatagctg   478

<210>   41362
<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011g10d1

<400>   41362

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aaaaaaaaag ttaaaaaaaa ttcccctggg cctaaactca ctccaggcaa atggcagcat   180

tattttatct aattacaatt gctaactttg gcacactaaa aaaacttcca tccttttgct   240

atttacatgc caaaaaatca agcacaagtc ctaggggaag ggttctcatt actttgacat   300

ttgcactttg ccttacaata tgagagtata ttgacttttt g   341

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<211>   360
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011g12d1

<400>   41363

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atgttacaaa tgaaaactag aatagaataa ttaatgcgcc cccaaaacgt atgggggggg   120

aaaaatataa ctttttcaag agcttcactc ctcacaaaat aatagatcct cttatatgga   180

tcgcactatg aatacctaaa gcactattta ttccactgta aacacctttt ggagataatg   240

tgagacacaa ttatggttgt cgatccatca agactcggca gataagatgg tgaatcttca   300

16458

tgctattcat gtggcattga cattcaatgg agactatgtt accaatctac ttgtcttaaa   360

<210>   41364
<211>   293
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011h02d1

<400>   41364

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tggaaaaaaa gagtcgcaga agagagaaac ccattcacac ctctcacaat ttgcttgtct   180

accaacatta cgaattgttg actgtaggtg agagacccat aacctttgcg gattccccag   240

caaagacaca ccatgactcg atggtggctg aacgccttcc atgcacagac atg   293

<210>   41365
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011h03d1

<400>   41365

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gcagttgagc tttattaatt gtttcccatt agatatatga agggttaaca tagttttgaa   120

aataatcaag aagccaatca gttccatcaa tgtgcgaaat attcgtgtag gagtttgctt   180

cgtaatccct gagttgcttg gcataaggga ctctggatgt ataatttgct ccaggtccaa   240

gacaacggta ctccccaaag aagacactct ggtctctaga gggatctctc caatcattcc   300

atccattagg agctacgaca tcagacatgt atgttcttga gaataccaca gaggcatagg   360

ctccccatgc tgtttcaagc cacactctcc cactcccaac aatgctgcaa ttcacaaagg   420

aaaatccact ttcctcattc atcgattgtc tcccttgagc ggtgatcgac ccgctaatcc   480

catccttctc ttgtttgcta cacagtttat   510

<210>   41366
<211>   470

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011h07d1

<400> 41366

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gaagaacaag agcattctct attcacatca gtaatgaaaa cctaactaca actacagagc 180

ataattatca aaactaaaaa agaaactaca aaacagagag gccaaaagat aatctaaatt 240

tgataataaa aaaatcaaga aaagcgaatc cctatttaag agtcatcgtc agcagcagcg 300

cccttggatg agccaccggc cttcttggga aggagaagat tgtgaatgtt gggcataacg 360

ccaccgttag cgatggtgac gtcaccaaga agcttgctca attcttcgtc gttcctcacc 420

gccaattgaa tgtggcgcgg cacaattcga gtcttcttat tgtctctcgc 470

<210> 41367
<211> 392
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011h09d1

<400> 41367

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aagaggctct aatgggacat caaaaacaca attagagcct cagttatcct gctatacaaa 120

tatgttaaca aaaggccacg aatcactcaa agtgtgtgaa aaaataaaa aacacaaacg 180

gcaaacccaa gacgctgctt aatcattgat tagcaggggc taataactga actaaaaaat 240

accaaaattg gagcctatct tttttttctt cactcagatt tttacaagct acgaggcaat 300

ttgccattgc ctttcttctt caacgagtta agctttttcga gcctccattc ttctctaagc 360

cgagcaatga acgttgcggc tttaacattc ac 392

<210> 41368
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910011h10d1

16460

<400> 41368

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tatagtaggg aaaaagaata tataagaccg tctaaatttt tcttaattta caatattccg   120

tttttataca cttattcctt aattttcaat atatcatgta ataaatctat aaggccatgt   180

ttggtaatcc gggggttact cttgaactca cagaagctgc cacggccacg tttgaaacga   240

cgtgttgctc ggggatgaac atagttgagg taggtggctt ataagacatg ggtatgcaag   300

tttacatttg tggtctggtc tggacaacat agactttgcc atccttgatg acaccttcaa   360

tgtcctgagg agtgccatac aactcttcaa tttcattttcc tgcacgggca atgctggaca   420

agattgactg ggcgaaacta ccatcaagga tcagtttgtc tgatgaat   468

<210>   41369
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011h11d1

<400>   41369

cccaagtcaa aagcttcttt aagcactttt tctcccttt tgcaacttgc aaacagcttg   60

tgactgactc tgatgcactt aatttagaag cctctaactc tgctttgatt tcagctttct   120

ccgcctcaag ttttctgaca gctgcagttg cttggtccat ttgaccacta gtctttctca   180

aggcattctc catttctgag agtctcatca tggttgggtt gtccagctcc tcagctgccc   240

ctgtctcctt cggcagaatt ttattctcct ctctttccat cttgaacttt ttcagctcaa   300

tcagatcact gcttagcttt tttgccgctt ggattggctt ctcatgagcc caatctttcc   360

gctccttgac ctgtttctca agatccttta tctgattaac tagagtgact atcacctcct   420

ccttgtcgtc ttctggcaca aactccacat tattatcaat atttatatca ag   472

<210>   41370
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910011h12d1

<400>   41370

16461

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gttcctatat tattactcaa ttttttttat aaaaaaacta cgaggaatat tacatctttt   60

tttatttaca atatcttctc aattttattc atgcactaaa atgaaaagat acaacctgtt   120

ctaaccaaaa tcatgcccaa gatttaattt taatttgttt catatacaac aataaaactt   180

cgacgacata ataagaattt aaccagctga ctaatctgca tttacattta atgaaaacct   240

ttattatgca gattattatt gacatgaaac tacataaaca ttaatgccaa ttagagaaca   300

ataccacaag cactcactta cgaagctgcg tctaagtttc agcttcgaag gtggtgtcta   360

cttctaaagt ttctccattt aaattatctc cttctgg                          397
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<210>   41371
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012a02d1

<400>   41371

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caagataagg actccataca ttaattacat tatccaaaaa gtccaaacca cattaccatg   60

cagcaaaggc agtgaagcac tgccctccta taatcagtct tgtcatacta aatgtcgact   120

tgacataata ggcctccaac aactacaatt actgataaat aaataaaaat taaggagtgg   180

cctttattaa tcttgcactg gttttattga acacaaggcg atcatcatac actaattctt   240

caatgctccc aatgtccaag tttcagtact aagatctatc attacacttc acagcgtggc   300

ttagcaactt cacgcctgag cgactgctaa cgaagcctga tacaaattcc gacagcgatc   360

attgtcccca agcacaggca gccccaagat taaacatcct atttatgggg at          412
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<210>   41372
<211>   228
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012a05d1

<400>   41372

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ctaaactggg cttttactcc acaaatttaa acaaatcatc acgagttaca ttacatggtg   60

gttcaatgtt accgtgtagg aagctaaaat tcaaccaacc tttcaaataa caaggtaaaa   120

gccctacacc acaaaaataa ttatggtaat ggcctatcta tgtgctgaac ctgagaatgt   180
```

```
cagcataagt tgtgatcaac gaaaataaaa gcatttgctt acaacatt          228
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<210>   41373
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012a07d1

<400>   41373

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gacaaatcaa atccttactt taataacaaa aatggtcaat acaagctttt acaatataac   60

caattcgcat agttcacccc tccatggaac tggaatttga tcagcagaac cagcaattct   120

aataagggca acttacagaa ctttgggggc agggaaaata tactgcaaaa attatatata   180

gcctgatctg atccttaaag gggttcaaga gaagtgtctg agtggaactg tggaagtgca   240

ttgggcttca ttcataggg taacttgatt ttctcagacc acttgaagat atcagaatac   300

actttatcac ctcctagatc ttctcctttg gctccagcag ccactcttat aacatcctca   360

atcaatgcaa aatttcccat gatgtcaacg tgagcaccac tttgtgtgcc ccttccctct   420

aaaagggtgg ctggaggaga atgatcatat tctctaacgt aggtgcggat accggat      477
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<210>   41374
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012a08d1

<400>   41374

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aaaataaccc tttttaattt ataggaacaa ttcaatacat tgacaccacc aatagtatga   60

tttaccaaca aaagctaaaa cgctagtcat tgagaaaaat aaacaagtaa ctacacttct   120

ttgatagcag ttcccctccc catctcaaca ccattgccat aatcatcatt ctccacgaat   180

ctggaccaga aggggtgtgc cttccaaacc tggttcattt cttcaatggg aatgcccttg   240

gtttcaggca agaagaagta gatgaagaat gtcatgatca acacgaaaaa ggcaaagaag   300

atgaacaagc cgaacttcat gtggcaaagc attgtcaaga agacttgtgc aatcaagaaa   360

gtgaaaaaca tgttcaccga cacatttata ctttgagcag ccgaacggat ctccaaggga   420

aagatctcac taggcaccaa ccaacctagg ggaccccatg accaggcaaa tgctgatacg   480
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taaatgcaaa tgaagagaac cacaacaact   510

<210>   41375
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012a09d1

<400>   41375

agcaaaaaaa atctcataat tttaaaacaa aattacccaa gctcatgacc atgcatgcta   60

tttaaggcac ctccacaatc cacataagta aaattcatta tacagtatac atattgctga   120

agtttggggg agaggggggtg cgaatcccaa atactttgta atgatgcaaa gtttcaaaca   180

taacatatga aatgtggccc attaactcac gttcctcaag ctaagtcctg atacacagga   240

ttaacctcta gctgctctgc gaatttctcg aggatattct tcacaagttt tgccagctct   300

tctttatcta attcagcacc atcttttttct tttgttattt cagcaaagac agcgtcataa   360

agaagaacaa ctgcattgtc agcttgagct ggcggtaaac ccaattcctt tgcgtttctc   420

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tccagcaat   489

<210>   41376
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910012a10d1

<400>   41376

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tatacatact gacaatacaa catcccattt ctacatgata ttctctaact agccatacga   120

cagataattg gagcctacat aagtcaggtt ggtagcacgg cttttggaag acaagcctga   180

ccatcagttg tcatgtccgg gccacatcaa aatcaccaag gcttttaaaa cccaacaacc   240

ccttatccta cgcaatatag aacatatgtt catttatttt cttctttttcc ccgtgcttgc   300

ataatcgtcc atggttaact gcttgcgctt cttcaaagaa gatggactct ctgtctgtct   360

                                    16464

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tctctccctc tcatcgnatt cttggttttc cttttctac 459

<210>   41377
<211>   527
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012a11d1

<400>   41377

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ataaaataca caatacatat acaagaaaat tatttctaag aaatggtacc gacacattat 120

gtaacaactt ggctcctata ttagactacc ccttgctcga gaaattagca ttaatgcttt 180

ccatggacgc ccaagagcaa cagatagagc agattgttgt cgaaagtgga atttacaaat 240

ttgactctag cttctgttct tgcacttttc cactgctctt ggtgctagcc cgattgcctc 300

agatcctttc attatacgca ggcgcttgcg tgattccacg aacatttccc acggtacgtc 360

accaacgagc atccagtcag catctttgtc ttcataggtt ggtacgtaat cagagccgtt 420

gagaagatca atcaatttgc tctcgttcat gaagtctttc atgccttggg atccacactt 480

gtcaatggtg aatgaactga acattttagc cagcgcatcc aacaact 527

<210>   41378
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012a12d1

<400>   41378

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ttatgcatat aataaatata aacagaaact gactcaaaaa tccctgtgag aaaagatgct 120

tagactatcg tcctcctaac tcgaggcacc taattcttgg ccacaacatg aaaatcgaat 180

aaaaggaaaa accaaaccaa gcagaaccta caaagttcca ataccatccg ccaattgcat 240

aaaaagtctg gcttccaagg tgacctaacg gagaaactta aacatactc aacttacaaa 300

tccattcatt aaactagata tatctattaa aaacccaaag cttcaaatac caaataagtc 360

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aaccaaactt tactgaaata tggcacagga ctgggtgcat gaagaacttg atcaccatcc    420

agctcgactt gacccaactt tagaagcact tccgatgaac gatggctggc ccagattcat    480

catattcacc cttggagatc cacatctgtt gg                                  512
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<210>   41379
<211>   448
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012b03d1

<400>   41379

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ggcaaaacta aaaacgtaga ttatgatagt gaagaaacaa cataatacaa ccataactct     60

actcatctaa caaaacagga aatcacattc tcagaatgac tactacaatt atatttgtga    120

ggaagattat ctaaacctat acagggatac ttctagctga gaatcttcgt tttgctgtca    180

aaactgccat tcccattttc agtgaattgc caaaactgtg aagaaattta ttgccggtat    240

tgtacgacgg aacattgagc aagatactca attaaccatc accgtaaagc attcacgaat    300

gccgtcaatg aatcaacatc tctcttttcc gaagggtact taattggttg agaagagtgt    360

ttggggaaga gtagtattgg gggggaagct tcccaactgc agttcagtct ttgcatattc    420

cttctggtct ccatcccgct ctgaattt                                      448
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<210>   41380
<211>   339
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012b05d1

<400>   41380

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ggactggtac catcctcaag tccaggacag atcttgatgt aattataaaa ttaagcaggg     60

gcgttccatc aacatatata acatgataat atgaaaatgt cgagataaca ctccacatca    120

agagacatta ggaagtagat taataatata ctgaaattaa ttacgtaatt aattctcatt    180

ggcgaactcc tggtattgcc tgaggatctc agcacagcca gaagcaacct cctgagacat    240

gaagcccatg gcattggcga acctatcgtc ggaggcaatg ccgttgtagc gggtgaaaat    300

cacaacggtt tcgtcgcggc ctggggtgac ttccttgca                          339
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<210>      41381
<211>      367
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910012b06d1

<400>      41381

aaacataaaa ccccattttt aaaaaacatt ttggccaaaa cgtttggaat aaataagggg      60

aagacatgga aaaaatccct tccttttgtt ttttaaaatg gaaagaagcc ggattttttt     120

ttgccccagg ggggaacttt gtaaaacgtt taagctttt gtttcaaaac taaacagaaa      180

ataaacgggg gggggcccta aaaagattt cccaggggaa aaaaaatttg cccttttaaa      240

acccaaaagg gggggcctga acaaaattta attcttagcc aacatacttt gtccaaaggg     300

ggttgaacgg ggccattgca agggcaagcc atggtttcat tttgccattg aagggcacaa     360

cggggg                                                                 367
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<210>      41382
<211>      417
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910012b08d1

<400>      41382

aaaacaaaaa cttggggcct tttttttttt ttaaggaaaa gggtttgggc aaaaatccat      60

gacaattgtt ttaccccttc ggaaagaatt ttgtttcacc gggaaaaaaa tggaaacccg     120

gctttctgaa accccaaaag ggccgttttt taaaaccaag ttgattttcc ctttcaaaat     180

ttttttggaa ccaacgcccc ccgtttaaaa gaaaaccgga aaaattcttt taaaaaaggg     240

ggggaaaaca aacccgggtg cccattgggg gcccggcccc cataaaagtt ttcccccccc     300

cctttgtggc aaaaatgggt cagctttttt tcccggtgga gcaaaccaaa attttgttgt     360

tgaaggcccc caccattcaa tttttcccag ggcaaaaaat tccccaaaaa aaccaaa       417
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<210>      41383
<211>      575
<212>      DNA
<213>      Glycine max
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16467

<223>   Clone ID: jC-gmro02910012b09d1

<400>   41383

atgttcacaa cttcacataa agctccaaaa gtaccggaac aaggcaagtt ccacgaaaag   60

aactaccata cacagagcac gaggaaaaaa aaaacaacac agacaaagta acataacagt   120

gcaaacttct aatcaataat cttctccttc atcaccatct tcttcagttg cctctgcacc   180

gacttcctca taatctttct ccagggcagc aagatcttca cgagcctcag agaactctcc   240

ctcttccata ccctcaccaa cataccaatg aacaaaagcc ctcttggcat acatgaggtc   300

aaatttgtgg tcgatgcgag agaagacctc aacaacactg gtggaattgg agatcatgca   360

cacagccctc tgaaccttgg caagatcacc gccaggaaca acagttggag gctggtaatt   420

gattccacac ttgaaaccag tggggcacca gtcaacaaat gaatagtgc gcttggtctt   480

gataattccc acagctgcat taacatcttt aggcacaaca tcaccccggt acatgagaca   540

gcaagccatg tattttccat ggcgaggatc acact   575

<210>   41384
<211>   497
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910012b10d1

<400>   41384

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aaagcaaaga aagaggaagc tgacacgtag aattacagtg gaaaaggaca gcagagaaag   120

ggagaagaaa acttatgact acatttgtat aaacaaaaat aaacggttgg ataaactgca   180

ctaagccgac cgtccaattt ttggccggaa tctgaagcct aattttccg ggcatgcgct   240

ttccaagctc ctgcaaagaa aagccctccc caccacggaa aggccctttt cttcatactg   300

gctcgaattg tacttagaat aatccaatat ttatcacaac agccttttgt atcaatgact   360

ctctggtaac cgccatggaa attcacttgt atctattcca gcttggtgaa gctcatcaac   420

atactgcaat gcctctcggc actcttctcg atcatcaaag aattcctttn tatcaccttc   480

tacttgatat gtttcat   497

<210> 41385
<211> 529
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012b11d1

<400> 41385

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ttgtaaatat tgatcaagac catagacagc agaacaacca aataatttct ctaccaggtg   120

acccaaggag gggaaggaga aagataacac aatgctatat gaaaatgttg aaccctgtcc   180

gaaactaaca tgcaaatgtt ccaaccaagc aagttaaatt cacagggcaa atttatcagc   240

ttacaagagt taactttggt taagtgggcg gctcaagatt gtattataca acttcaaaat   300

aaattatcta atgtatcttg catatataat aataacaaga aacttgtaga cagactgatc   360

tagaaacttc tgaaaggagg gaatacacag aagttggaca ttaattacca aaaactgcag   420

gtcaaatgct gctttaatca gttctgatga gcagatagag cgaaattgga gacattagtg   480

tctattgccc aatagaattc tcatgtagta atacatattc tcgactact              529
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<210> 41386
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012b12d1

<400> 41386

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cgcttaacat ggttacatta atacatatgt aatacatgac aacaacataa tcactacatt    60

atgatgccat taaggtagat cacaatttca aacatagaga aatacattgt aggctgatat   120

agtacatcag atgcaatatg gaaatgccta cttatttaag gacacactaa caaataaaga   180

cttaagtaac ctatttggca aaccagagaa ggtggccctc agggaagatg tgacacactg   240

gagcagctcc aggcttggtt ttaagcattt gtaaaaacac atggtttgga tcccattctg   300

atgtgtcttt gtggcataca gctgcagctt taactctggt tccatcttct ccctccaaag   360

gcataaaatg cgcagtagta tttgatatct catgacacat aaacacaaca tatgggtaat   420

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agaattttgg ggacttac                                                 498
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16469

<210>   41387
<211>   370
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012c02d1

<400>   41387

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gggacaagtt aaaataaaat ttgaaataaa tctaaacttt tactaaagct tgactgcata   120

aaaaaaataa aattctaact tggggggggt tactagtata attgaagaac tcctgcgact   180

aaaagctttg ggttggggaa ataaatcttt gggacatttt gcccaaaagc cctttttct   240

gggagaatca tttttcaata aggaccggct tcactttgat cccaaaaaaa aatgccgcct   300

caggaagggt tttccaaatg aactcctaat actggagcta ctaggctcca ttttttgaaac   360

tatatttttt   370

<210>   41388
<211>   484
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012c03d1

<400>   41388

agccaaccaa aaacaaattc aagcatttat cttttaaagt attttcggca ccaaaaatac   60

aagagctggg gaagcttttc tcaacttcca cctgttataa aaactttaag actccgctta   120

aactacacta ctgctcatca ttcattgcta cgcaagaaca tctctagagc tcgtcatgag   180

aatcaccatc ctcctcgcct gatgcaccac cacctggggc tccacctgat ctctgatata   240

gcactgatga ttgggttgca aacagcttcc acctctttga gcttctcctc atattcttct   300

ttctccacac tctggttgtc atccagccat tccaatgctt cttttactgc agtctcaatt   360

ttctcctttt catcagactc caacttgtca gcgagcttgt ccttgtcacc gatctggttt   420

ttcatgttgt agacataggt ttcaagactg ttgcgagcat caatcctctc cttcaccttc   480

ttgg   484

<210> 41389
<211> 302
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012c04d1

<400> 41389

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aaaaattgaa aaaatttaag tgtcgggctt taagggtgtt ggatcattgg atagaacaaa      60

gaacaaaacc gggaaagaga gaaagttctg ggggggggaaa aaaaagggcc actaaaaaaa     120

aaaaacaaaa cgggggggggg gggcggatcg gaaaaaaaaa aaaaaaaaaa aacgcacgaa     180

aaaaaaaagg ggggggggggg atgttgcgta aaaaaaaaaa gaaccacccc aacgaaggcc     240

gagcaaaaca atgttttcgg gtgggggcaa gaactgcgca aaaaaaaaaa aggaatggtt     300

tt                                                                     302
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<210> 41390
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910012c06d1

<400> 41390

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gtcgaaaaaa tggtatacaa tatacggtaa ttgcttttac acgcacccgc aatgatttat      60

ctcataaatt tagtaaaccg ctatatctac ctcgaatata aatacgtata aagtagacgg     120

acgttccagt caaatttttt cgtagaataa aatgtatgcc tcacagcgaa gaacttcatc     180

aagggaaact tcacgcacat atgcatcact tgcctgatac catgtggaac cctcattctc     240

tttatcaccc ttcccacagt tcctctggcc ccctctcaca tacgcaacat agtgaccccc     300

tctcatagtt ccggagtgct ccactaagcc aaccaagtgg tatgcatact tctcttcatt     360

tatgcacctg ggatcaatat agggtctaat atccattgtt tctctgaaat tgacatggcc     420

atttaattta cttaagcgcc cacgggcatc ttggctgaat ctcttcaagt gaatggtcaa     480

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tttg                                                                   544
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<210> 41391
<211> 488
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910012c07d1

<400>      41391

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caatcaagat ccaaatcatg caacaacaaa aaaaaaagca actttttttt tccttctttt   120

tctctcctct tatcgaaagc ttaatcacaa aactaaaatc acggacatta tttataaaac   180

tcaagtgcga caaactccaa atgagaaaga aaaagccggt tcctccattt ctttatccaa   240

ctctttatcc tcagtttact cagcagcaag gggcacagac tcagccaatt tgcggtactt   300

gagagcatag aacatcttga gatagcggcg gctctcacgg cggtcaaggt tagacacatg   360

cttccagaag ccatagacac cggtgagagt gagaagcctc tgagagtaaa tttgccatgt   420

gtacttctct tcaatacgct ggagaccagc ctttgagatc ttggcccagt gagttgggtc   480

aagcttgc                                                           488


<210>      41392
<211>      410
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910012c11d1

<400>      41392

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cacaattgga acccggacat aatgggccaa aaaaattccc caaaactaat ttttccaatt   120

ttaactataa aaaaaaggga aaaagccttt cccgggggttt ttccaaaaaa attatccaag   180

cccccctttc ctaaaggcct acatattttg gggataaaaa ttcagttcca atccttaagg   240

gaaaaccaaa aaaggaagca ttggggacgg ggcccgccaa aaaaaaggga aaaaaatccc   300

ccccataagg ttactttgga gggggttttt tcctaaacgg ggccataaaa aaaaacaaaa   360

gggggggaaga cccccctccaa aaggtaaggg agccggttaa gccccaaacc            410


<210>      41393
<211>      483
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmro02910012d03d1

<400>   41393

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aacagcatac aatatttcat tccaagcatc aggaacacca gccagacacc agtgactgca   180

gtcatcaaaa gaagtgccac gccctgtgta gatagagggg tgaccatccc tcctcagttg   240

tgtgagcaga gtgatgtcta gcaattctgc aggctttgcc atgttactta taacgctctt   300

cacaatgtcc gcaccaggat atggtggcat tggtccttca tctggttgag tttgccttag   360

gcaccccttt ttatcaacat gggaagcagc gattccctga aacaagactc tagtctttga   420

aggatcaatg ttagaatcaa cccatttagc ccaagtactc agcccaatct tgaaagcttc   480

cat   483

<210>   41394
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012d04d1

<400>   41394

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attttcatg atttcggcat ttgagactct tggaagaatt ttcttattac aagacataaa   120

atcaactttg tgaaatcacc ataagattga acaaaagtga ctcaccatca atgcatcgcc   180

acccattacc aaatatagcg agggtgaagc acccacctca aaccatttcc catccttcaa   240

tttgaccccct aagccttcta ccttctgatt caatatagtt atgaaagctg tgtcagaatg   300

aggagccact cccaaattgc tctcacccac ttggggtatt ctgtatttgt aggctcggag   360

cacatactcg gttgattcga gtaaagtgtc aaatttcttt gtctcgattc catagttctc   420

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actttcacag aaatggtcat t   501

<210>   41395
<211>   424

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<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910012d06d1

<400>        41395

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cagcccaaga gaggatacat ttgttttact caaggaaaaa aaagtcgggt aatgtcatac   120

cttcccacat ctatacatca attggctgct tctaatgtaa tttatacaca aacatgcccc   180

taaagaagag cattaccctg ttcctcgcaa gcatatctca ttcttcgcat atgatcgtcc   240

acacgggaga cccagctgga aataatgacc ccccaaatag cattgttctg gggatttcat   300

gcgttcggaa gagtacctgt cctatcactg ccaagaagga gaaaattggt ttgcaatcaa   360

atgttgtaag aggggcttta tggaacccat cctgaaggag agcatcttct gctgttatac   420

tgtt                                                               424


<210>        41396
<211>        95
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910012d08a1

<400>        41396

aaaaaaaaaa aaaaaaaaaa ttaaaataaa aaaaaaaaaa aaaaaaaaaa aaaagaaaaa    60

aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaag                               95


<210>        41397
<211>        495
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910012d10d1

<400>        41397

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aaaaaaagga acataacgta gatttttcca tcccttaacg ctgtttcctc tcatttcttt   120

cccaaacaat tcattaacac ataagaaaag atataaccat gatctataaa taattgggaa   180

ttcactcctg gtataaagaa aatgaaccag ctcgcctaat gggcacctga ttttttttcat   240
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gcagttcacc agaagtttca tcactttttc tctaattagt ttctattatt ttctattcct   300

tcgtatctgg ttcagaggac acaggtagtg aactataatc ttgtgttttg gggagggaaa   360

agctacgacg ctctttcccc cctggcttgg aagaagcact gccataccaa accattcctg   420

ctattgcgat gatcatgcct agaacaacat gtagattgag accctctttt tcaaagaaaa   480

tgaatcctaa gatca   495

<210>   41398
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012d11d1

<400>   41398

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gcaaaactaa gttctgaaca aaagtgctca agtagcctac gttttctatt ctaaggtact   120

ggttaatatt acaaacaaat gacatgtaaa atcacaaggg caattacaat tgagggttaa   180

tgacatagag ttagtataac aaagaaaaaa actttatatc ctattctcaa ttaagagacc   240

tggccattga taagaaaatt ctagctgcag attcgtctta attaagaatc tatcaaattt   300

tgccgttacc atcaaacact aaactgagga actgaaatgc gttgctttct catccaaggt   360

tagcaactgc ttctggacca cacaaccgct ccaactcttc cttgatagaa ttattttctg   420

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cacctcccag cgactccacc c   501

<210>   41399
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012e03d1

<400>   41399

gcaaaatcta atttggctaa ttgattgaaa gttttggttt acttgtactt cattctctgt   60

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atcgagtaag atgatactga agtcatacta gtaaggtgct gtataactca atgaatgtag   180

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tgggttgaaa gaagcaatag tagtatacat aaacttgcaa ctaaaaggct aaaaggaagg    240

cacaacaaat acacagacaa gttaagagaa aagatatgct aattctttgg aatgttcttg    300

ccgacaatct tggctggagt tatccttaga agattgcctg gcttaccagg gacagcacct    360

ttgatcatga ccacattaag atctttatca atttttacaa tcttaagctt tcttatcttc    420

ctcttggttc ctcccatccg gccaggcatc ttttttccct tgtacacacg accaggtgtg    480

gttccagcac caattgatcc t                                             501
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<210>      41400
<211>      491
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910012e05d1

<400>      41400
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gaattgactt attagaatgt gtatttataa cacttaatca aaactaaact atggtaaagc     60

gtgaaaaata ccattgccta attacagtta aatgaatttt aaccgttcac aaaactgata    120

cacaaagtct tcttaattgc taataggtcc tacacaagtt tgtaattaca caacaataat    180

ataaacatgt tcaagcaatt ttccatccgc ttctgaagca gtcactttct tatatctcgg    240

gtgcagactt agacttatgc acatactcgt tgatacatat agacagagat tagtttggag    300

tttcaccagc aggcccgtgt cttgcgttca acaaaggttg aagagcttta actacgatgc    360

tcatgtttgg tctgaaatca gcttcgtatt gcacgcacag ggcagcaaca gcggccatct    420

tatcaacagc tntgggcagg tactctcctc ctagtcttgc atctacacac tgtctgactt    480

tatcctcact g                                                        491
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<210>      41401
<211>      272
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910012e06d1

<400>      41401
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aataagaatt gggtcattgg aggggtggaa cctcactccc tcctagagaa cgaaaatgct     60
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gtctactaaa aggaaagcag gtcttttcaa gtcatattat gcgccgtgta aatataacaa   120

ggaggctttt gattgaacat ctccaacctg cacatctgga aaagaccatg gatttattct   180

agccccatgg ggctgaggtt acaattttgc cggagcctgt tccgcaccca actgaagatc   240

cggttcccct gcattatcca ggtgagaaga ct   272

<210>   41402
<211>   571
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012e08d1

<400>   41402

ccactcaagc tttatagttg atttatttaa ctaaataagt cagacagtaa taacattcat   60

tatacagacc acgtagaagc tttacttccc cttaatttga ctcatttaac caagtgaatc   120

aaagtttgaa atcttcatac aatctaagcc gaaactttca agagcttaac tcgacatggc   180

ttatttacac cacccgcaat atgtacatag aaataaagtt gaatatacag aactattcaa   240

gaacaaacga aaaaacgtgc aaaagctttt catgagtaga ctaaatacta tgccgtccca   300

acatcaagca aaatagttga acaaactcaa ccaaacagta ccgctgatga caaacaaatt   360

taaatgtata aaatgcagaa gcttgtgcga agatccatat aaattgcagc ttttggtgtc   420

aatccatggt tatatgtatt caagacatcg tactatacat accacaggta taaaaggagg   480

gcctcccagg acccacttcg aggggatcc tctcttgaac ccggaaaaaa ggatcactca   540

tgagccctca taggcaggga taatgaataa t   571

<210>   41403
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012e09d1

<400>   41403

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aaacaaatgg aattctatta cattatgaat tacaagttcc ttgcatggca tacatcaagg   120

aaaactggga agttgttgta tgtggattga tttgccacag ccttatatag acaaaccaaa   180

16477

tgcttaatat caacacaaac acgtgtacag aaaagaaacc actcttcaag aaaacagaaa   240

ataagaaaaa ctaacatatt ggaagaggtg ccccattcca ctccccaagg cattccaaaa   300

gtggatcaat gatcttccct tggcacaaag cagtgaacac tttgtcacac tcttcacccg   360

gtgagataac cctttcacca gttagcaatg ctgtccccaa ctcctctctc acaaacttgt   420

acaaggggta agacctgcat tccttgatct tgtttggaat tgcacattgg tcattctcat   480

atgca   485

<210>   41404
<211>   442
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012e10d1

<400>   41404

ggcccatgac gcaacacatg caccacctaa taatcataat tttacatttt tacatacaaa   60

atacaaagac tttaaattaa aattaaaaaa aaaaagataa accgatcatt ttggtgaaat   120

gaaaccgaaa cccaaaaaca ttggtttgat ttttttttggt ggtcccaact tgattaaaca   180

tgaacggttt gattgaatca cttggacttg aagggaatgg ccctgattac cacctggtgg   240

taaagtgctg caagtgcaac accaatgaaa gggcccaccc agaagatcca gggatcatcc   300

caaccaaggt ccttgttgaa gatgatagca gcaccaagac tacgagcagg gttgatacca   360

atgccggtga tagggatggt tgccaagtga accaaaaaca ccgcgaaccc aataggcaaa   420

ggtgccaaaa tggggacgtg ag   442

<210>   41405
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012f04d1

<400>   41405

acaaattgaa agggagaaca cactttatta tatgaaaacc gagagcattc aaatacaata   60

gtgcagaagt tcaggcaata attacgcata gacatgcata aagtctatgt tattcagaag   120

tacaacatag ataaggaaac cacaaactct ttttaattag atagagatac tgttgggaat   180

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tcctttgaaa gtcaacccct cctcacttga acgatggagc aaagtgtatg gcagctgaac  240

tggcccagtc cggtttctca gacttggatc actgttcctt gcattgattt ttccttcaat  300

tccagtcagt ttgcttccaa acctttgaa agcttctaat gccttcttat cagtagtcca  360

atttggagtc tccctctctc caaggtatat ctcatcagaa gcatgccttg acaatatctc  420

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ttgaggattc ttcaccaatt catcata                                      507
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<210>   41406
<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012f05d1

<400>   41406

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gcccccttag aaggggaatg aataggagct aaggtgagct caactatggc acagcgtcag  60

aaaaacaatt gcctatttaa tgttaactgc aggtaatccg atctcgacgc tgaaacacaa  120

aatctacact aaaagctcac atgtcctaca tacgtttggt atgacacatc cttaaataaa  180

tccaggacaa gcaattttcc atccgttgcc gaagcaccag cttcctgatt tttagggcgc  240

acaattagac tttggcacag actggaggac gcatatggag ggggatgaag ggtgtccccc  300

acctggggga ccgtgtcttg gggaacccca tggttggggga g              341
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<210>   41407
<211>   433
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012f08d1

<400>   41407

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aaaacaaccc ccggggggttt ttttagcaaa tcgatcatca caatttccca caaaccggcc  60

taaggttaca tgcctacctg acccaacaat tattaacggg ccccccaccc caaatcctcg  120

atcaaagagt tgaaatcggt ggaaaaaaaa ccttcttcct tcacaaaacg ctttgccatt  180

tgagcaagcc ttttttgctct ggtcctaatt tccttgggct cctttccaac catgaacctc  240

ctcacagcct ttttaaccgg gttctttttt acagggggccc ttcccattat cccaatccac  300
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gtttgaaccc ctaccctccc cccaattttta actatggccg gcaaaaactt aacattggaa   360

aattgctttg ggaacattgg ccatgtcacc attgggaccc ctgcacaccc cccctccaat   420

actgagttcc acc   433

<210>   41408
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012f09d1

<400>   41408

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aatcactaca ttatgatgcc attaaggtag atcacaattt caaacataga gaaatacatt   120

ggaggctgat atagtacatc agatgcaata tggaaatgcc tacttattta aggacacact   180

aacaaataaa gacttaagta acctatttgg caaaccagag aaggtggccc tcagggaaga   240

tgtgacacac tggagcagct ccaggcttgg ttttaagcat ttgtaaaaac acatggtttg   300

gatcccattc tgatgtgtct ttgtggcata cagctgcagc tttaactctg gttccatctt   360

ctccctccaa aggcataaaa tgcgcagtag tatttgatat ctcatgacac ataaacacaa   420

catatgggta atccatagga tgacaaacaa tgaccttatc ttctgctaac aacttcactc   480

catctttcac cgagaatttt tgggac   506

<210>   41409
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012f12d1

<400>   41409

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taaattattg tcattgtaac aatcggaaaa cgagggaaag gaatagaaga aaacaatgaa   120

caacccttgc cagttagttg caccaaccaa caaggcacca accatagtac caatcaaaag   180

gtaaaaagag agagagacca aatcctacta agaaaagcat aactgttcct ttccatccaa   240

agggagaaag catgcaggtt ttgctcatgg cttccacaga atggttgtgt ctgcaatcat   300

16480

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ggaagtaacc acgtatgggt ccatgttgga agctggcctt ctgtcctcaa aatatccctt    360

ccctgctttc tctgtgtctc tcccaaccct aacagaagct ccacggtttg caactcccca    420

taagaaggtg ttgatgtcag cggtttcgtg gcgt                                454


<210>       41410
<211>       500
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910012g02d1

<400>       41410

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ttgtacaagg aactacgagt taaaatggta cagaaataag ttttatacat gtcaaaacaa    120

tgacccatca tatccttggt actttttcgt ccccagttaa ccatctcgtc agccagctcg    180

gatcatcaac atagaattta caagatttgg gaataatccc aaggtcagca ccaacttggt    240

catactcctt tagagctgct tccatttctg ctgcaacgac agcatcatta acaatttcat    300

atgaactcgt gcttaaagca tctgcatagt gttgctcctt ctcagggtca ttttggaaaa    360

gttccaaggc aggtccctga cataactcag cataatgttt atatatctca ctgctttcat    420

cttgatcgcc gaggagacta cctccatacc aaccgttggc ctcatttgtt gaggtcattg    480

taaggtacct ttggaaaaca                                                500


<210>       41411
<211>       323
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910012g04d1

<400>       41411

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acagtctttt tttttttatgc agacaatttc ccagaaaatt gaatgaagca agattcaat    120

tagcaaacca cttttcaaac caaaggggag caaaaatttt gactaacaga aaaatagctc    180

cacattgcaa attctaaaat tatcccaaat ctgaccatca tcaattagtt agctccataa    240

tggcagcaac aatgtcgcca ttggcagctt tgagagcctt aacagctttt gatctcaaca    300
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<210>   41412
<211>   613
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012g06d1

<400>   41412

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catcttcaat tggaaaaaca caataaacca acagtgctgt gatttttaca tagtttgaac    120

agtatgtttt agctagcaaa gagagttcac tagatataca gtaacaaaat cctgaatgaa    180

tcacacgaga cccaaaaata aaagacaagg cagttgaaca cgtaacatta ctcaagcaga    240

accctcttct ttgtttgact cttcttcctt tggcttagca ggggccacag gtgatggagt    300

gctctccact cccatctctg atcttaaatc attgatgctt tgctccaact catttatacg    360

gtctcccatc tcatcaagtg caatgacgat gtcaagaaac acattacttg agcaatttga    420

accaataatt atgtaataga attggcatcg ttgcccatcc tggcttagcc aacatatgac    480

aacttgcaca ggtggatggc ttgagtttat agatgtaact gtgtgcagaa atataaacca    540

cctgagcttg tgggaaatat gccattgttt atatgttaaa tttgattcta ttatatagat    600

atgagttgcc taa                                              613
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<210>   41413
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012g07d1

<400>   41413

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gctgaatctt tcaacaacta aatctttcac caatattata taataataca agacaatcca     60

acagtaacat gtaacccaca agaaaaagaa aaaaaacaat ttttaattta caacataaat    120

tacattatcc atgagactat aaatgcttga gatcagaaca agaatcatat attctatctt    180

tgaatatttg acatgcatgc tataacatca atttctatca tcataaggca ataactata     240

atatttaaac tataaaattt gttagtaagt tttgctcctt gcagtcctcc tctagtaact    300
```

cgtggctttt cggttccatt tgcaaacact atactggaca tactgcattg ctgccatttt   360

cgtcgcagta aagaattggc tgcaagcctg catgtgatct caaatatatg tattctccct   420

caacacctta tatacaagta tact   444

<210>   41414
<211>   553
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012g08d1

<400>   41414

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aatatggtat gatgaatgtt tggttattta caaagaaaga aggatgaatc tgttttcaat   120

gcttatgact agatcaatcc ccactgtaca gcaaaaatat tggccctacc aaaagagtat   180

tagaggaaaa tgatttaacc atgttctccc cttgtacttc atgcagactt ggaacttctg   240

tatctatggt catacagcaa gaatgaagag gaatgtggat ttcggatgtc aagatccatc   300

ccctgtcaca tctgattatt gctgagcatg acgcatggt atgtgctctg gattataggc   360

tcctgcagca gctgagattg accaggagaa tcctgttggt tagaaaagat gtttggtggt   420

tgtaaggtgt tagaattaga ttgatggtcg agcacacgat tactctgttc atacatgcag   480

tgaaccactt gattggctta aaaccgtaca aaccctgcag aatgggattt gtgttgcaga   540

atgagatgaa aca   553

<210>   41415
<211>   521
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012g09d1

<400>   41415

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gcaatcaatg ccatatctt acagaaaaac accaacgaat atcaatttaa cccatttaca   180

aaacacctct ctaacagcaa aggatttatc ggatgttatt ttccagcctc caatcttcaa   240

16483

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ccaagcagaa gtttcaaagg aacaatcttc atgtatcatt tggaaataca caattttctt    300

acaataatgt ataaataatg aggggcacca cactctcaaa ctatatctca ggattaagat    360

tttgtgaggc caccaggctt tttgtaagcc atattgctgt ttctctggat gatacagata    420

cagcatcttc tccaaatggt ctcagcacag cagcaagctc ttcaagcttt ccttgctgaa    480

gtagctgcgc acataactcg agcagagatt ccagagcatc a                        521
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<210>       41416
<211>       225
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmro02910012g10a1

<400>       41416
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ggacggggac catcctcaag tccaggacag atcttgatgt aattataaaa ttaagcaggg     60

gcgttccatc aacatttata acatgataat ttgaaaatgt cgagataaca ctccacatca    120

agagacattt ggaaggtgat taataattta ctgtaattaa tctcccaatt aatccttatt    180

gccgaactcc tggtattgcc tgaggatctc agccaagcca gaaac                    225
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<210>       41417
<211>       545
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmro02910012g11d1

<400>       41417
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ataaaacaat ctgatatcat ttccattatt ctttttttc tgacacaaat tcaatacatc     60

tgaaaccact ataagatgtg ttagcgagga gctaacactc atccacagat ttattaaacc    120

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tatgtgttag cgaggagcta acacacattc acaaatttat tctcactgat aggaaggcaa    240

gaaaacctta taatttggca ctgatcttcc ttgttggtca actaggcatt gaccaacatt    300

tggtagtgcc attgtcctac acacttaatt ttacaagtct tcttcacacc aactttgtat    360

tatccttttt gtttgctatg cccaatgcaa tgcactctag aataaaatat atcactgact    420

ggaacagaag cctaagaatc ccatgaactc atggttgttt atcatttgaa tgctgttctc    480
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aatgccaacc acacccatgg tgagggcgct agcaaanatg acacctgaga ggatgaaata   540

catga   545

<210>   41418
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012g12d1

<400>   41418

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aactgtagat gtcccaggat gactgaacta ttaccaaact gttccactgt agtcattatc   120

aaggaattaa aagtaaggct tcttattgag cacagagatg agcaaagcca catgccaact   180

cgtgcagcat gtgttgatat ttgagataac aatgggagct ctccaaactt acaggaaaca   240

aaagcagcca ttctctggaa aatcgcacat aaagatacca taagagagaa aaaaaaaatt   300

aagccttggg aactttgtct agcaaaacat tatccggaac gttaagctct gcaggagttt   360

cttgaacacc acctagcact gaatgatatt cctcaccacg acgagcaaat ttcttgtaaa   420

gaacttttac aaattcagtc tcatcaagtc cttttgcatt ttcagcagca tgagcctgag   480

ccaaattaga atattta   498

<210>   41419
<211>   470
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910012h07d1

<400>   41419

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tgaatccttc attggaaatt gcatgcaata tatttatttc taccttcata ttaaaatacc   120

tggccctggg aaattcaaca gagcaaggag aatcacagag tcacagactg aaattgaaga   180

ggcaaccaag tttatgaatt tgattatgaa attataacca attgcccagc ctcaaaagcg   240

gattatgggt caatttggtg attttcactg ttacaacctt ccacaagtat tctcttcata   300

tgatcaacta gtccttgaat ctgctctctt gaatgaaggg gggatggata tatacaagcc   360

16485

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caatccaact ttccattccg tatggggtcg aatacggcaa tggatggacc aacaccatga    420

gcagaagccc aacctacata gtcttccaat ccaatctctt catgcatttt              470


<210>      41420
<211>      430
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910012h08d1

<400>      41420

gaaaaaaaaa aggaaaaatt tttttttttcc acccaaaaaa aaacgggggc ccccccccc     60

aaaacccggg gaccccggcc aaaaaaccat cccccaaaa accccgcccc ggggggggg     120

ccatttaaaa accaccccccc caaaattttt ggggtccccc cggggccacc ccccgggggg    180

gggcccaagg ggggggctca cccgggggggg ccccccccaa aaaaccccccc gaggctgggg    240

ccttttttta taatttaaaa aggggccccc ccgggaatga agggaaaaaa aaaaaggggg    300

ggttttaaac ggggggggca aaagggggaag cccgcccccc caaacggggg gcctttttaaa    360

acggggtgtt cccacccacc cgggccaaag gggaaagctt aagtttttca aaaaggaccc    420

cctgtggggg                                                          430


<210>      41421
<211>      530
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910012h12d1

<400>      41421

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ttgttattac agaatatgaa tccatattgt tacatgaact tgaaatggca acttctagct    120

actaatacca cctaaatcta ggtaatctcg ccaggcaaat ggtcctagac ttgccaaaaa    180

ctaagagcta gtagcttaca agagataaag agaacaatga gttgaagcat catctcatct    240

tgaaacctgc ctggcttcta tgtactgaag tctcaaggta actgctcgct tgtgggcttc    300

aaggccttca acttcagcca tggttgctac atatggccca agccttctta gaccttcctc    360

tgagagagac tgcacagtta tgtacttcag gaaggagtcc aatgacacac caccatacat    420
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tcttgcataa ccgtaagtag gaaggacatg gtttgtccca cttgcataat caccaacact   480

ctcaggagtc caaggcccta aaaacacaga acctgcattc tcaataaact   530

<210>   41422
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013a02d1

<400>   41422

aatagattcc attatttata tataacaata aactactatg tacacataca atgtattcta   60

gtttagtccc ctaaaacacg agcaagttat tctgggtgtc gtagcccaac ttctccaaat   120

tcggctggac tgcaaattga atcataggtg gtggtccaca agtcaatgcc aaggtatcag   180

gagatgcatt tggaatatgc tccgtcagga tactttcagt gatgaatccc acactgtatt   240

cccacccttc tcttatgctt tcttgtgtca cgtaccacac cttcaaccta tcatacttct   300

tagcccactc atcaagctct ttcttcagca atatatcatc ctcggttcgg ttcgcgtaaa   360

ccacatgcat ctcggtgcag tcctttggat cctttagaat ggcttgaacc acttggtaaa   420

tgggtgtgat tcctgtgcca ccagccaaca tg   452

<210>   41423
<211>   380
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013a03d1

<400>   41423

cccaaaagaa atgggggggg gggtaccacc acactttttt ccccttttcc atgggtaaaa   60

aaaaaggggg ccgaaaaggg gcggctagcc tttcttttgg atattttac aacccttatc   120

ccgaaaaatt ttttcaaccc cccttcccta ggaaattttt ttttaaacaa gggggccggg   180

gggaaaaaat aaaaaacccc tggctttta attttcctac gccctaaaaa cctctccggg   240

ggggtttaaa aaatcttatg ccccaccttt ggggggggcca cttttttaaa accaaaccaa   300

aaaacttttt tggttaatta aaaaaccttt tggataaaaa tcaaacacac aatggtccca   360

ccctctgtga tattttttt   380

16487

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<210>        41424
<211>        354
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910013a04d1

<400>        41424

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gtttctcccc cttttaacaa aaaccatttg caacaaaata attgggccca cccctttttt   120

aaaagaaatc aaactcccga taattatcaa aaccttttgg atatgctttg ggaaaagggg   180

taacagcctt ttccccccccc cttgatgaag ctgggggggg gtttttttta aaactttttcc  240

cccttgggga tcccgggggg gggagcacat ttgatcaatg cccactttaa cccttaaaaa   300

aggggggggtt gtttgatctc aaaaccccct ttttattaaa ccaactggggg gggg        354


<210>        41425
<211>        262
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910013a05d1

<400>        41425

cctacaattc atgtatcaag ttcgaattat aatttacata attattgcaa gcggtggata    60

atagataaag tagagtttaa aatgcaagaa gccaagaggc tcatgacatg aaacggtgaa   120

cagagatgaa acttgaagga acacacaagt gaagttgaag ctcaagggta ggtttcagag   180

gctgggacag gggcatagga accaatgaag acgtcttcat aaatcaagcc agccaaacct   240

ccttcaatca atgggccaac cc                                           262


<210>        41426
<211>        415
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmro02910013a06d1

<400>        41426

agtaaaaatc ctgctatgca ccagtaaata aagattatca tctgatgacc tgtgaattaa    60
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aatgaaaaat accattttt ccagctaaat aaaagataag gttaagtttt acctagcaca   120

ttatctacat atgtttatag tctgcattgc atgtaaacta tcagctacag cttctgctcg   180

ctatgtagta tccaccttcc gaaccattca gtttgacatt cacaactgat tccagtgcct   240

ggttatctta atttccacga cacatcagct aatgttctgg agatgactgt cgttggtctg   300

ggggctgtgg ccacatttga ggcgccatgt aatggtgaga ctgttgacat acatgtttga   360

gtccatcaca ggcttaccca gattcacacc agcagctttc acttgagacc gatgc         415


<210>      41427
<211>      492
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910013a09d1

<400>      41427

ggaaataaca aaaatgcaca cttttattga ttgcatcaga tattgcttaa atagattaag    60

ttaaaaaact gaaaaactga aaataacaac taactagcta aacttcagca actaagctta   120

agctgctaag ttactcacac ataacaatca gacaacctaa caacaaactc cttaaaactt   180

ggtaaataat taaacataaa aataaaaaat aaaaaaccaa agctactgat gcatacattt   240

gcacacgttc aaacaatcac aaatagattt acaagaaaga aatgaatttt gcacataaac   300

tcacaacaaa ataattaata caaaattaaa gcaacttttc tccaaagtct ttaatctctc   360

ttctccaagt aagaagaatc taggcccaca ggataaagat ctgctacaga agtagatgaa   420

gctgtccatg ggtcttcctt tgagttactc agctcttggt aatacaatct cattttctcc   480

attttcttct ca                                                       492


<210>      41428
<211>      468
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910013a10d1

<400>      41428

atactaacac aactctcttt attaatgaca aatacaaata cattcagcca ctccaaatac    60

atgacttaag catacacaac tgattaagga atctggttcc ttcaatttca catttattta   120
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16489

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aaaccaggaa cagtacttaa gcaaccatag ggtccttaga tagagatact gttgggaatt   180

cctctgaaag tcaatccctc ctcactagaa ggatagagca gagtgtaagg cattttagct   240

ggcccatagc ggtttctcaa tgtctcatct ttgttcttct ctataagctt cttttcaatc   300

tcttcaagct tctttccaaa cctcttaaat gcctctaatg gaccggcatc agaagtccag   360

tagtcaccac catctctctg cccaaggtag aactcatcag atgcgtgcct tgacaagatt   420

tctataactg taaggtcaat gagggtctcc ttcttgccag taatagtc               468
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<210>      41429
<211>      419
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910013b02d1

<400>      41429
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caatgctaca atttaccaaa ttttcttcca caaacccttt tacaatgtat cctcttcaac    60

aaaaaagaat gaagaaaaag aaaaagatgg ctacaaacta tgaattgtta gaaaggacaa   120

acaaaactat ttctgactgt attacaatta cacaccctaa gcatagaatg aaaccccatt   180

tcacgtataa aatcctagat tctcttactt ttttataatc cagtaagaga attatgacgg   240

ctaaataacc tcagattcaa ctatagttat gacagcttct ttgcaccatt gggctgaagt   300

gtaggacttt gtgcatgaat tattgccgca gcaatggaga aagactgtag tgcaaataga   360

ggtggatgga aatgaatata atataaacca tcgggaacat tttacaatcc ttaagggggg   419
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<210>      41430
<211>      401
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910013b03d1

<400>      41430
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aagcagcggc aaagctaaaa tattttggat ttcgatttgg attcgttggc acctagctga    60

gatgccatgc catgcatttc ctacacatcc ttagcaaaca taaagcttac ttagcacctt   120

cactcattct ctattcagag tccgagtcca tgtttcccat tgctttcaaa cctcttggtc   180
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tcttttttgga tatcttcttc tccctaacct cgtatcgttc caaggtaaga tcgcacaacc    240

atgcgccagg actaacgaga ttgagggttc gttgaatgaa tttagctctc ttcttgggtc    300

tctgaggcag ctttgagccc ttaatggcga gaaaatcttc ttccttctcc ttgttggnca    360

aggcaatcac gaacttgggt ggccacaccg gcggagcagc c                        401
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<210>   41431
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013b04d1

<400>   41431

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agacataaac attatccttt taagtatatt gaaatatcaa tgaagcttat ttctgtttgt     60

ataaattata aagcactcaa aaggtcttca tatactataa ctataactat aacaagaatt    120

cacattgaaa gtcttatgtc taaattaaag tctgcgcctc ttaacaacca gaaaccagaa    180

gggtataagc aagatgatga tgatagcaag tatttgagtg aaaagcatag agctgggcac    240

ttccatctgt tgaatgaaaa tgtggtctgc ggagaaattt acttgttgaa tgaaactgtg    300

atctgctgag gtgtttattt gctgaatgaa actgtgattt gctgaggaat ttgtttgctg    360

aatgaaactg tgatttgctg gggaatttgt ttgttgaatg aaactgtgat cagctgaggt    420

gttcacttgt tgattgaaac tatgatcagc cgagctgtct atttcttgaa tgaaattctg    480

atatactgag gaagttattg gggtgacccc aaaccctttt aa                       522
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<210>   41432
<211>   189
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013b05d1

<400>   41432

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acacacagga gagaagagat ggcgacgagg gtggtggcgg aacagaagcc gaagacgaag     60

attgtgtgca cgctggggcc cgcatcgcgc tctgtcccaa tgatcgagaa gcttctgcgg    120

gcgggcatga acgtggctcg cttcaacttc tcccatgggt cccacgagta ccaccaggaa    180

accctcgac                                                            189
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<210>   41433
<211>   395
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013b07d1

<400>   41433

aaagatgaac aaatgaaaca tcatctggtg tttttttttat ttagcactat attattgaca   60

aagaatacta aaacggacta ccaagggtta tcaatcaatg tgcattgtga aagggtgtcc   120

tctcaatgcc ataagactgc actgggcaac gaatatttga atccctgccc attccttggc   180

tttgggtgga aaatgtcaca caaacatggg tgagttttcc tttaagctga ggtaatccca   240

ttctttccga ttaattgggg aaatagatag aaaattgact gaaaatcaaa atcattagcg   300

agaatttctt gctgactcca accaaaattt aaagatgatc aatgattgct tttgtgaata   360

cagctgtctt tgaactgcca ccgagatcag ctgtt   395

<210>   41434
<211>   491
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013b09d1

<400>   41434

ccatcataag taccgttttt tattttatac aaaggaagtt agaaaataca aatcgtttca   60

acattttctt attaaaataa taaaaaaaag cattgagctt tattcataaa attggagaag   120

gaaagaatgc tactatggtt gtgcagtggg ttttgcgatg ttaggacgga acttgcagct   180

agttttgagg tcttctcctg gcttgttccc ggcaaatcca gcatccaccc acgcagagta   240

gcctccccccc atgttaacaa tattcttaaa tcctgaatca agcagatcaa cggaggctcg   300

gagtgatctt cctccactat tgcaagccac aatcaaatga tcctcagtct tgcatattgc   360

tgccacctgg tcaacaaaat ctggattttt cacccgtcct gcttctgtga tgaagacata   420

ggggacatta tgagcattct caacatggct tttgttgaat tcctcaactg acctaacatc   480

cagataacga t   491

<210>   41435

<211> 511
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013b10d1

<400> 41435

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agagtaaact cacaagtgaa tgcaactatt attaactttc caaggttaaa aaggcctgca    60

ctctgcatga catttatata tgcggagagc acagcaaaat gccccactga tcacaaaaat   120

atccattaaa tttgatgaaa atacagtaaa aataaaagga ctaattaata caagaaaaca   180

aattgataat catagagcag ttctgagttc tacaagcaaa ttttaagcag aaatgctgct   240

cagtcagaga agagacctat atgagagttg atcataagga ggacacgttc ccgtgtttct   300

cagtttctcc ataataatta tgaatgaacg acaccaatct tcttagcaaa atcatcccca   360

tcttcttctt ccatgtaatc ttcctcttga ttttcaccct cttcaccttg ttcatactca   420

tagtatccct cttaccttgt tcatactcat agaccgcatc tctctgatca tcaccttcat   480

aatactgatc ctcacccgaa tcatgtacac t                                  511
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<210> 41436
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013b11d1

<400> 41436

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aacacgttaa aatcatattt tattatctac atgtaattca acattaatta ttacaacttt    60

ttaatactca aataggagta tcagcggcac gagcctctcc ctagtttcat tatggaaatg   120

cactcaaagg aacttcatat ccatgcttga acatttgtcc caatgttttt aaaaccatgg   180

aaatctggcc acggctcatg taagctttgt acattatcca taatgttttc tttgagcatt   240

taagcttgac attttccatc tcttcaagga cattatgcat ttcgagtaag gtcatctgtg   300

acccatacat gactagctta caatgatata aggatcggca gatactccac ccagagattt   360

ccgcacgtct cacaaaattt tctagctttt ctactgcatt acatcgataa taagttgcaa   420

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tagcattctc cattttcgct accagtcttc ctggcatata gtta                    524
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<210> 41437
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013b12d1

<400> 41437

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ctagttggta aaggtattaa atagtatggc tggatattca tgaaacattt tccttaagaa   60

tatctcattt tggacaattc ttatgtcctt taaggcaaat attttccttc accaataaaa  120

ttttgaccat gtgatgccac caactaggtg gatcccactg ttagacccaa ataaattcaa  180

gggtggatgc tcttggtgga agaatgggca cataaaaact tcacttttaa gttgtatcat  240

tcacacctta gagcatcttc ttgggttttt atgcaagtaa cttaattcat gtcgcgtcca  300

tcttaaacag gttaatgaat tttctctcta ataaaattt ctattaacta actcaattgg  360

ttctctctcc tatatttaat aggaaattaa gtaaatcatg agtcaaaatt gttgatataa  420

acaacttttt cttaaagaga ctcaaaatcg cacatatcaa aataataatt tttttggtta  480

agttcattaa ttaattgatt ctcattatag atgatcttaa a                      521
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<210> 41438
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013c05d1

<400> 41438

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gggaaaaaaa aatggaagga ataaaaaggg gctttaaagg gcccaaaata aacaaaaacg   60

gctctccagg ggcaacccca ttgggaaccg gagggctccc ccgggttttt ttttaaaccc  120

cggacctggg ggggggggcaa aatcccccaa atcaaaaaag ggggggaaaca gattggggggg  180

aaaaaaaaaa acaaaccgaa tccccggggg accggaaaaa aaaaattttt ttgaataaaa  240

aaaaaaaaaa aagggtttcc ccagaggggg gggccccaag ggggggggggg ccccaacccc  300

cctttttaacc tt                                                     312
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<210> 41439
<211> 499
<212> DNA

<213>   Glycine max

<223>   Clone ID: jC-gmro02910013c08d1

<400>   41439

gaaattctga aatagtgaac tttgcattca aagttaactg aacattttct tagaaatcca   60

gtacattatg atagtgctca gatgacataa atagaaaacg aagacaagat gtggatggca   120

caaagacgac tagatagaga gccttatcta tttatatata gccttgcctg aataaactac   180

acagcaggcc aaattttcat ttatgatgat taatgagtga ttgatgacta gtataataat   240

atattttggt tctagggcaa ctactagttt ttgctatggc tcatactagc tctatatggc   300

aactcctagt ggggaaactt ccatctttgg tatgatcttc tctggttcta cagctttgac   360

ctgatttcca taagctgatg catgcactcc aagtgctgcc ctaccagatg gatcaaggtt   420

gttagaccaa gcagcatccc actctacagc tttggctgtg ctacatgcaa cacttggtcc   480

tccaggaaca ctcagcctg   499

<210>   41440
<211>   476
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013c09d1

<400>   41440

gaaatcccag caaaatgcaa attgatgaaa aatcattaat tacagaatag ctaatttttc   60

caaagaaaag catcatatga aacccatctt ccatgcagga ggtatagaga agcacaacat   120

caggtgaata caaactaagt atacacatca acaatgacaa tacactatct atacccaaaa   180

cccaagtcta gctcttgacc atacatcccc tggctgtgac ctgaagcatg gattggcttt   240

gggttttttg acctcagctc catctcaaaa agcctctgaa gtgcttctgg atgatttctt   300

ccaccaccaa catcaggagc ttgtaattgc attccagggc caccaaaagt aggatgctgg   360

tgaccactaa atgggaagcc ttggccttgc attgggtttg gttcctgcat gaagccagtc   420

attggattgc tagcatgaga tggcataggt gcaccccttg ggaatccacg taataa   476

<210>   41441
<211>   512
<212>   DNA

16495

<213>   Glycine max

<223>   Clone ID: jC-gmro02910013c10d1

<400>   41441

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aacgtcatta ctggaatctg tcttaacatg gacaagtata cgagaaccac gtggaaaaat   120

agaggacggc caaatatcta ctataacaat caataacgac aagtacatta gcaaatatat   180

aaaaatccaa aaactccatc ctcctccaca agaggcaaag tccaaaatag agctaatgct   240

cctaacaagg taaatccact ggttccagaa accgatttat tcagacctct catttttgc   300

acgagcaaga cactaaatcg caactagaca agcacataat gtgtagacaa gcaactttgc   360

agtacaccac cttaaaaaga cttcttggca acgaatacaa gcaggtcaat gacacgtgag   420

ctgtatcccc actcgttgtc gtaccaagaa acaagcttca caaagttctt attcaatgca   480

attccagcct ttgcatcaaa aatacttgat ct   512

<210>   41442
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013c11d1

<400>   41442

ggactatatc attgtgctgc caaaaatttg gttatcaacg agaattttgt attccgacca   60

gagaagaaag ggaaggacac aacaccaaga caaacttagc tacttgatat atcttcgtga   120

ctgttgtcac tgtcatcact atattcagga aacttggata ggtgccgagc atccaagcca   180

gtgatatact tctgtgctgc ttgaacattt tctgaaccct ttgttagctg gaaggcatgt   240

agcgcgcatt gttctgcagc aagactaact ggagtattc catctttcat acactctgct   300

agtgcaggac cgacaatagt gccgtgagac ataatggctg aaggatttgc cttggcaaca   360

gcttttatag cagataatgc tcttcttcta acttcactgg actcatcatg tgtggatgat   420

actagcaatg aaagacatct ttgtaaagaa gtgtgtcaga aggatccacc tgagatc   477

<210>   41443
<211>   517
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910013d02d1

<400>   41443

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cttgcaaact tgcaacaatg cagtgagaga gaaataaacc aaaaaagtaa aataaaagaa   120

agaattggtc caggtttctc ttattatatt tctctcactt tttccttgca ttgctgcagt   180

aactattgaa aaattgcaac tcctcaaata cgactttcgc agaacattgc atactatagc   240

agtcgagaag aacaactaac aataatgcct gtaaacagtg gtcgaacgca atccgatggt   300

gtccttattt aacaacgaaa gtctacatgt atgaccaaca taagcaccat gggtccaaaa   360

gacaaaaaca caagcttcat aacagtagga ggagattgca ttcagcgaag tttacaggat   420

gctatcctac aatcccacct tcgttactta gtgcgcacta cgcataattc catgncagta   480

accaccagtc attatgaggg acacaagtga cacaaca   517

<210>   41444
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013d03d1

<400>   41444

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agttaacatg gctaatctga atattcctgg ggtaacgcca acacctacaa tgatgatgga   120

cttgacataa tatacagaag gatagcattt atgctccaag tgacttacat tggcttcctc   180

aattacattg ttgaggtttt gctaagttga aaatacaagc acttaatagt ttacagagcc   240

acatttcctt ctaatttgcc cttgtattcc tgtaagtact ccaacattac taagcttcac   300

catggatgca gcaaaatcat tatagaagga atattggtcg gtgctgtaaa aataagccat   360

agaagaagtc cttcgatccg caagtagtgc catgtcagat tctagaagcc ctttgttgta   420

taagagattt ctataatact cattgtcgaa ggtcaaagta gtattagaat caagaggtgc   480

aatgtagctg tttga   495

16497

<210> 41445
<211> 309
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013d05d1

<400> 41445

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taaacccaaa agaatgacac aatgccacaa gaccatgaag tataaaaaaa tttgcccacc   120

tacgaacact aaactcaatt ccattcgcaa aggccccata ggatttgccc cttaggacat   180

tcactcacag ttctataatg atattagaaa cttccttcag caccatgaaa tcattggaaa   240

aatcagtctc tccctttcct ttctcacctt tttggtatgc attatataat gccaaaaatt   300

tgtagctta   309

<210> 41446
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013d07d1

<400> 41446

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aaccagaatc agttttatag aacagtaata gaaactagat ctagccggaa caaaaccatc   120

ccctcaaaag agacaatcat caaccggcaa caggaagttg cagcttgtta tccatcttct   180

tgtctaaagc caccgcaata caccacaccc aagttcaaat tcacatatca tgttgggcaa   240

actcctcctc ctcctcttcc tcttcatact catcctcatc agcagtggca tcctggtact   300

gctgatactc cgacacgaga tcgttcatgt tgctctcagc ctctgtgaac tccatctcgt   360

ccatgccttc cccggtatac caatgcaaga aagccttcct tctaaacata gcagtgaatt   420

gctcactcac tctacggaac atttcctgaa tgggggtaga gttaccaatg aatggtgaag   480

<210> 41447
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910013d08d1

16498

<400> 41447

aaccgttaac ttgagtataa atatcaggaa tttcagaaag gttcagaaaa aaatataaac 60

tccaccctcc aaaaacaaac caagtcatgt agccaaaata attgtgatca ctatccatgt 120

tcagaggatg tctggttttg gttttgaggt gaatgtatag aattttgagc gacattaatt 180

gtctctcctt ttgtttatgt cagtttccct gccatccaac tttgcaacat ctgaagtgca 240

gcttttggtt gatccatagg gaccaagtgt ccagcctcat gtaccttgag gaaagaaaga 300

ggtccatagc tattaagaga ccctgctttt gaaccatcaa ccacaaattt cactgtagga 360

gattttcaa aggccttttt gcctgaccac ttcattgcat gtacccacct tgaattccca 420

agccaattgc atatgagatc ttctttccct acatacacaa gcaacttga 469

<210>   41448
<211>   578
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmro02910013d10d1

<400>   41448

caaaggcata ttaatttgtg caattggatt aatatagaaa agtgtcctgt aaacttgctt 60

catatgaaga agcagggggat acataagaaa aataaccctt tttaattttt aggaacaatt 120

caatacattg aaaccaatag tatgatttac caacaaaagc taaaacgcta gtcattgaga 180

aaaataaacc aagacgagga ctaactacac ttctttaata gctccctttc ccatctcaac 240

accattgcca taatcatcat gctccacgaa tctggaccag aagggtgtg cctgccaaac 300

ctgccccatt tcttcaattg gaatgccctt tgtttcgggc aagaagaagt agacgaagaa 360

tgtcatgatc aacacgaaga aggcaaagaa gaggaacaag ccgaacttca tgtggcaaag 420

cattgtcaag aagacttgtg caatcaagaa agtgaaaagc atgttcaccg acacattgat 480

actctgagca gccgaacgaa tctccaaggg aaagatctca ctaggcacca accaacctag 540

gggacccat gaccaggcaa atgctgatac ataaatgc 578

<210>   41449
<211>   403
<212>   DNA
<213>   Glycine max

16499

<223>   Clone ID: jC-gmro02910013d12d1

<400>   41449

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ccctgaaaat tacagccgaa ctggggggaa tgtaaaatgc aaaaagctca tagcttaagg   120

catgggacat ttgattttga aactacctat tcagtaaccc tgactaattt gcatataaca   180

actggtgttc tcgcagactt caaatactca aagggtttat tttggttgat tccaaaatta   240

cctgttgcag gatctttccc aatgccgggg gttatcattc aagttttagg aattggtttc   300

cctacccca tgagaatttc ctgacaatta aagaaacctt cacttctttt caaggttttt   360

cagccaataa tcaaattggc tggcaacaca tgctgacccg ggg   403

<210>   41450
<211>   534
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmro02910013e02d1

<400>   41450

ataattgttg aaactgaaac tgaatcttaa ttctgagata acattcaaaa tcaaaccgat   60

acatgaagga tcagctataa catattaatt tatagctgtg ctggtgcagg acacttagta   120

gtgtgccatg aaattattct aacagaaaac aacaaccताa tgacttatac gtggaattag   180

ctacaactac aaacattgag cttaacctaa ccgtttttag gtgctgcata gctttcaaac   240

ggtgggtcta acactagttt cttttcagaa agttcttgta ccattgagca gaaagcttag   300

ggtacctttt taagccatct ttgtaatcta caaagtttaa tccaaaccga acagtgaacc   360

ctgcaaacca ttcattacag tccaaaaatg accatgcaaa aaatccctta acgtttgcgc   420

cagccttaat tgctgatcga agataaaaga aatgacgata ataataatca attcgataaa   480

tatccatgag agcttcttcc acggaaaggg gtggatcatn gaattcgttc atac   534

<210>   41451
<211>   450
<212>   DNA
<213>   Glycine max